

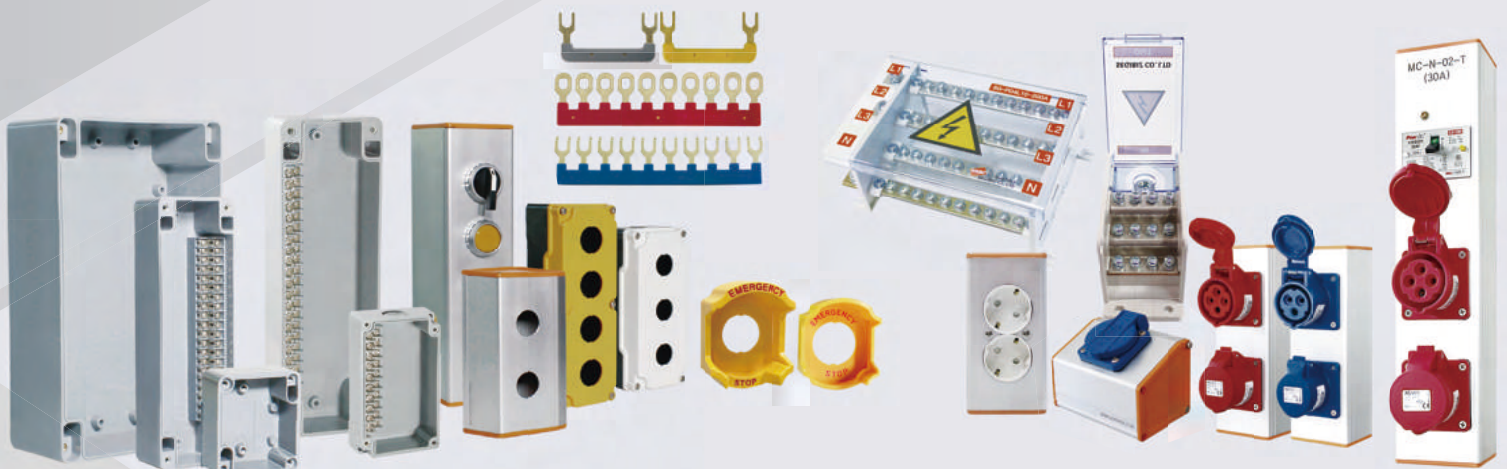


|주| 세기비즈
SEGIBIZ CO., LTD
ELECTRIC TECHNOLOGY

Total Product

CATALOGUE

ELECTRIC TECHNOLOGY



Honest & Trustworthy / The Best Company / Sincere Partner

SEGIBIZ CO., LTD

ELECTRIC TECHNOLOGY

Since 1991



Honest & Trustworthy



Sincere Partner



Growing Company



ISO 9001 : 2015 Quality Management System



Establishment of Research Center

Certificates Status



Acquired ISO 9001 : 2015 (Quality Management System Certificate)



Certified for mark use by TUV SUD, Germany



Acquired NRTL certification by TUV SUD, Germany



Acquired UL Certificate from UL (Testing Laboratory of American Insurance Association)



Acquired IECEx (explosion-proof) Certificate



Passed the EN (European Standards)

RoHS

This approval confirms that no electronic products exported by the company to Europe from July 1, 2006 contain any of the following 10 harmful substances: Pb, Cd, VI, PBBs, PBDEs, DEHP, BBP, DBP, and DIBP.

INNOBIZ

기술혁신명중소기업

A portmanteau of the words 'innovation' and 'business' used to refer to technically innovative small & medium sized companies that secure their competitiveness through their technical dominance.

History



2021~2026

- 2026** • Launch of JTB Series
- 2025** • Renewal of TB-4P,6P products
• Launch of PD 4L06-200A
• Acquired UL for PD 250A, PD/NPD
• Developed TB-25PT
• Acquired CE/NRTL for TB/CB/PB Series
• Moved to the extended new factory
- 2024** • Developed O-type short bar
• Renewal of NPD 100A, 200A products
• Development of NPD Terminal Block-type Power Distribution (250A)
• Launch of Power Distribution Kit (PDK)
- 2023** • AL Series – IECEx Explosion Proof Certification
• TB / AL Series – IK08 / IK10 Rating Conformity
• Developed two bracket types, B3-4045 / B3-4090
• PD / AUT Series – CE Certification
• Single-type Power Distributor Protection Cover launched
• To be selected as a Leading Company of Busan
- 2022** • Developed MC-N-02
• Developed Power Distribution 2L06, 3L06-50A
- 2021** • Developed TB-30PT

2013~2020

- 2020** • Developed AL-50P-S/Short bar 2p
• Developed MP, MPL(W)
• Developed NFB Power Distribution Terminal Block 400A
- 2019** • Developed Industrial Socket Box
• Developed Wire Connector
• Developed NFB Power Distribution Terminal Block
- 2018** • Developed HC Terminal Block/Heat-resisting AL Box
• Acquired ROHS Certificate
• Acquired UL for Power Distribution
- 2017** • Acquired UL for CB / PB / AL Series Block(none)
• Hanoi, Vietnam SAMSUNG SDI Vander registered
• Developed Aluminum Profile Box Sloped Type
• Developed Power Distribution Terminal Block
- 2015** • Acquired AL Series Block(none) TUV
• Developed Power Distribution
- 2014** • Signed exclusive contract with METE ENERJI
- 2013** • Acquired TUV NRTL for CB/PB Series
• Signed exclusive contract with WEICON
• Registered as a supplier of Hyundai Motors, Chennai, India

2002~2012

- 2012** • Acquired ATEX Explosion proof for AL without Terminal Series
• Acquired TUV NRTL for TB Series
- 2010** • Moved to new extended building
• Established the Shopping mall Brand [BIZ Market]
• Obtained INNO-BIZ Certificate
• Established company-affiliated R&D center
- 2009** • Obtained Venture Enterprise Certification
• Acquired TUV Mark
• Renamed SEGIBIZ CO., LTD
- 2006** • Founded SEGI-BIZ CO., LTD.
• First export of [CB-2201] to Toyota Motors
• Developed AL-30P
- 2005** • Received citation from the Director of Small & Medium Business Administration
• Obtained ISO 9001 Certification of International Quality Management System
- 2003** • Developed PIN BOX TB-15P / TB-20P
- 2002** • Moved to 128-67, Gamjeon 1(ii)-dong, Busan

1991~1999

- 1999** • Developed PIN BOX TB-6PT / 10P
- 1998** • Developed PIN BOX 4P / 6P
• Registered design patent and utility model
- 1993** • Moved to #7-133, Busan Industrial Distribution Arcade, Gamjeon-dong, Sasang-gu, Busan
- 1991** • Founded Segi Electronic F.A. in Yeonji-dong, jingu, Busan

Contents


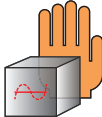
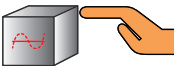
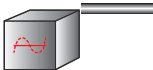
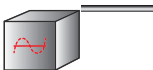
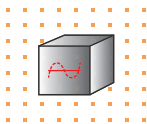
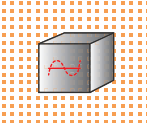
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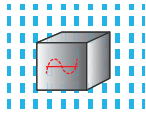
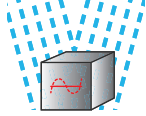
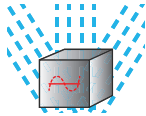
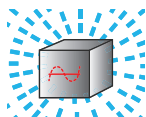
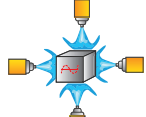

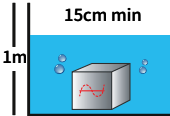
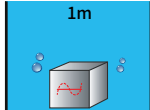
Protective Structure in regard to IP Dust Proof And Water Proof (IEC Regulation IEC 529)



Solids

Liquids

- 0  No protection
- 1  Protected from solids 50mm or bigger (hand touch)
- 2  Protected from solids 12mm or bigger (finger size)
- 3  Protected from solids 2.4mm or bigger (kit, wire size)
- 4  Protected from solids 1mm or bigger (kit, wire size)
- 5  Protected from dust
- 6  Fully protected from dust

- 0  No protection
- 1  Protected from vertical waterdrops
- 2  Protected from 15 degree incoming waterdrops
- 3  Protected from spray up to 60 degrees
- 4  Protected from spray in all directions
- 5  Protected from low pressure water spray in all directions
- 6  Protected from high pressure water spray in all directions.
- 7  Protected from 15cm~1m of immersion
- 8  Protected from water pressure during extended immersion

IP65

Aluminum Box

Ordering Information

SG - **AL** - **6171** - **48**

① ② ③

- ① **Product name**
Aluminum Box
- ② **Product size (mm)**
Width x length
- ③ **Product height**
Height



AL-6171-48



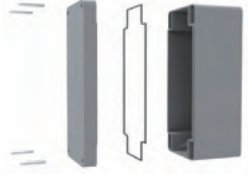
AL-8023-08



AL-1621-10

Feature

UL approved product.
Packaging with polyurethane materials using a forming machine provides excellent waterproof and dustproof performance.



Volts covers featuring polyurethane packaging include a base unit. Mounting plates are available for separate purchase. (iron plate+Aluminum coating / thickness 1.6T)
*No mounting plate for SG-AL-6171-48 / 7093-52 models

Product Specifications

- Color: Gray
- Tolerance: ±1mm
- Thickness: 3.5T ~ 4T
- Operating temperature: -20 ~ 70°C
- Protection rating: IP67 / IK10
- Material: Aluminum [ALDC 12.1]

Certificates



※ The UL model is custom-made to order.

Description

Aluminum boxes are basic junction boxes made from aluminum casting. They are mainly used in industrial machinery, robotics, welding machines, automobiles, petrochemical plant facilities, and oil and gas supply facilities. Aluminum boxes are easy to install and come in various sizes tailored to customer needs, providing practical and user-friendly solutions. They are also ROHS-certified and UL-certified, ensuring safe use.

Model	Size(mm)	Weight(g)	Model	Size(mm)	Weight(g)
SG-AL-6171-48	61 X 71 X 48	220	SG-AL-1212-08	120 X 120 X 80	690
SG-AL-7093-52	70 X 93 X 52	249	SG-AL-1222-09	125 X 223 X 90	1314
SG-AL-1270-52	70 X 128 X 52	360	SG-AL-1616-09	160 X 160 X 90	1205
SG-AL-1111-52	110 X 110 X 52	398	SG-AL-1621-10	160 X 210 X 100	1623
SG-AL-1770-55	70 X 172 X 55	435	SG-AL-1626-09	161 X 263 X 90	1699
SG-AL-1214-62	125 X 145 X 62	566	SG-AL-2023-11	200 X 230 X 110	2500
SG-AL-8023-08	80 X 235 X 80	844	SG-AL-2333-12	230 X 330 X 120	3997
SG-AL-1219-08	125 X 190 X 80	944	SG-AL-2333-18	230 X 330 X 180	5237
SG-AL-1010-08	100 X 100 X 80	580			

Ex Aluminum Box

Ordering Information

SG - **EX** **617148**
 ① ②

① **Product name**
Ex Aluminum Box

② **Product size (mm)**
Width x length x Height



EX-617148

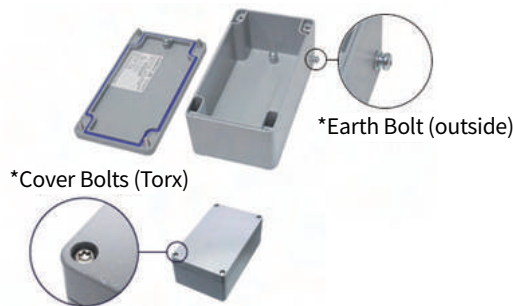
EX-122209

EX-802308

IECEX marking	Ex eb IIC Gb Ex tb IIIC Db
ATEX marking	 II 2G Ex eb IIC Gb II 2D Ex tb IIIC Db

Feature

- IECEX explosion proof approved model
- Ground terminal connection.(3 Earthing ; 2 inside, 1 outside)
- Use star L wrench, Waterproof, Dustproof.
- Mounting plates are available separately.



Product Specifications

- Product Specifications
- Color: Gray
- Tolerance: ±1mm
- Thickness: 3.5T ~ 4T
- Operating temperature: -20 ~ 80°C
- Protection rating: IP66
- Material: Aluminum [ALDC 12.1]

Certificates



Description

IECEX aluminum explosion-proof boxes are IECEX-certified and are used for various applications across industries, including factory warehouses. They have an IP66 rating, providing protection against dust and high-pressure water jets from all directions. Available in 15 different sizes, they can be utilized in a wide range of environments where explosion-proof performance is required.

Model	Size(mm)	Weight	Model	Size(mm)	Weight
SG-EX617148	61 X 71 X 48	220	SG-EX101008	100 X 100 X 80	580
SG-EX709352	70 X 93 X 52	249	SG-EX121208	120 X 120 X 80	690
SG-EX127052	70 X 128 X 52	360	SG-EX122209	125 X 223 X 90	1314
SG-EX111152	110 X 110 X 52	398	SG-EX161609	160 X 160 X 90	1205
SG-EX177055	70 X 172 X 55	435	SG-EX162110	160 X 210 X 100	1623
SG-EX121462	125 X 145 X 62	566	SG-EX162609	161 X 263 X 90	1699
SG-EX802308	80 X 235 X 80	844	SG-EX233312	230 X 330 X 120	3997
SG-EX121908	125 X 190 X 80	944			

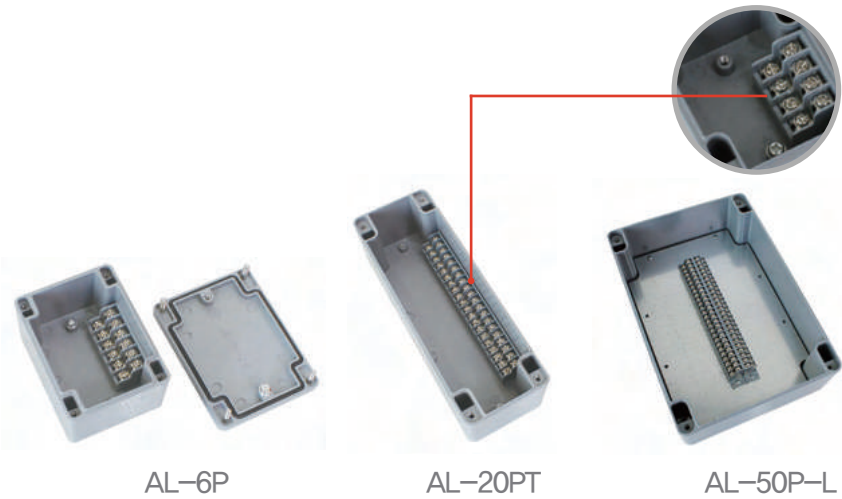
Aluminum Terminal Box

Ordering Information

SG - **AL** - **4P**
 ① ②

① **Product name**
 Aluminum Terminal Box

② **Number of pins**
 4 - 50 Pin



Feature

This is an all-in-one type terminal available in various sizes and terminal types. Its polyurethane foaming provides effective waterproofing and dustproofing, offering high productivity and efficiency.

Electrical Specifications

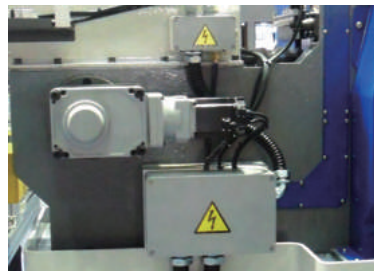
- Allowable current: 10A
- Rated frequency: 50Hz
- Rated input voltage: AC250 Volts
- Withstand voltage: 1880V / 1 minute

Certificates



Product Specifications

- Color: Gray
- Tolerance: ±1mm
- Thickness: 3.5T ~ 4T
- Operating temperature: -20 ~ 70°C
- Protection rating: IP67 / IK10
- Material: Aluminum [ALDC 12.1], Terminal Block [ABS V-0]



Description

The aluminum terminal box is an integrated junction box with terminals housed inside. Our aluminum terminals are made from high-quality aluminum, rated at 10 Amp and 250V. The exterior of the box is painted gray. Like our other aluminum boxes, these terminal boxes are packed with polyurethane gasket foam, ensuring excellent waterproof and dustproof performance. They are widely used in industrial machinery, robotics, commercial wiring, and low-voltage control systems.

Model	Size(mm)	Weight(g)	Model	Size(mm)	Weight(g)
SG - AL - 4P	61 X 71 X 48	239	SG - AL - 20PT	80 X 235 X 80	957
SG - AL - 6P	70 X 93 X 52	283	SG - AL - 30P	125 X 190 X 80	1205
SG - AL - 10P	70 X 128 X 52	374	SG - AL - 40P	161 X 263 X 90	1822
SG - AL - 12P	110 X 110 X 52	482	SG - AL - 50P -S	161 X 263 X 90	2447
SG - AL - 15P	70 X 172 X 55	529	SG - AL - 50P -L	230 X 330 X 120	5237
SG - AL - 20P	125 X 145 X 62	669			

Heat-resisting Aluminum Terminal Box

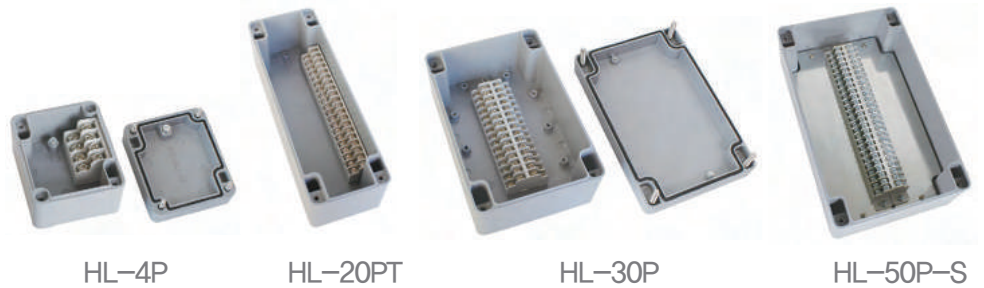
Ordering Information

SG - **HL** - **4P**

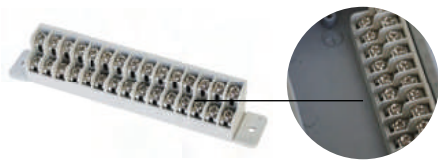
① ②

① **Product name**
Heat-resisting
Aluminum Terminal Box

② **Number of pins**
4 - 50 Pin



Feature



Uses an HC terminal block with superior heat resistance compared to DC terminal blocks.

Able to work in hotter environments than the AL series.

Product Specifications

Color: Box - Gray / Terminal Block - Ivory

Tolerance: $\pm 1\text{mm}$

Thickness: 3.5T ~ 4T

Operating temperature: $-20 \sim 110^{\circ}\text{C}$

Protection rating: IP67 / IK10

Material: Aluminum [ALDC 12.1], Terminal Block [mPPO]

Electrical Specifications

Allowable current: 10A

Rated frequency: 50Hz

Rated input voltage: AC 250 Volts

Withstand voltage: 1880V / 1minute

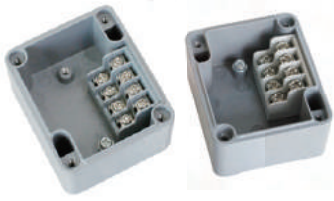
Certificates

RoHS

Description

The HL series, heat-resistant aluminum terminal box, features a heat-resistant terminal stand in a durable aluminum casting enclosure. It is designed to withstand higher ambient temperatures, offering the same standard rating, size, and excellent waterproof and dustproof performance as SEGIBIZ's aluminum terminal boxes. This makes it ideal for industrial facilities requiring heat resistance.

Model	Size(mm)	Weight(g)	Model	Size(mm)	Weight(g)
SG-HL-4P	61 X 71 X 48	239	SG-HL-20PT	80 X 235 X 80	957
SG-HL-6P	70 X 93 X 52	283	SG-HL-30P	125 X 190 X 80	1205
SG-HL-10P	70 X 128 X 52	374	SG-HL-40P	161 X 263 X 90	1822
SG-HL-12P	110 X 110 X 52	482	SG-HL-50P -S	161 X 263 X 90	2447
SG-HL-15P	70 X 172 X 55	529	SG-HL-50P -L	230 X 330 X 120	5237
SG-HL-20P	125 X 145 X 62	669			



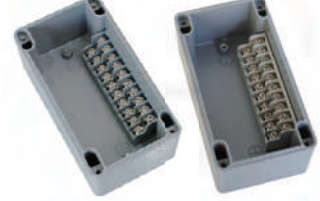
SG - AL / HL - 4P

- Size(mm) : 61 X 71 X 48
- Weight : 239g
- Allowable current : 10A



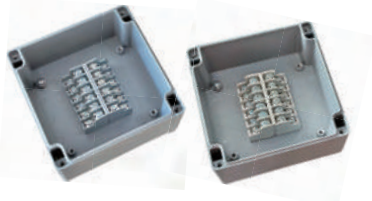
SG - AL / HL - 6P

- Size(mm) : 70 X 93 X 52
- Weight : 283g
- Allowable current : 10A



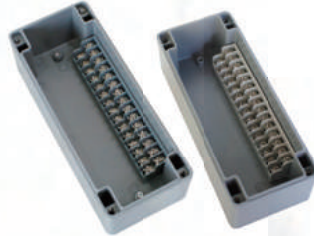
SG - AL / HL - 10P

- Size(mm) : 70 X 128 X 52
- Weight : 374g
- Allowable current : 10A



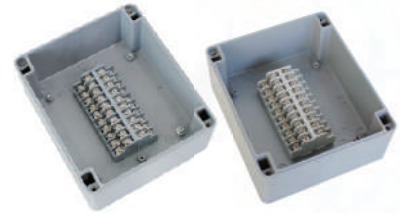
SG - AL / HL - 12P

- Size(mm) : 110 X 110 X 52
- Weight : 482g
- Allowable current : 10A



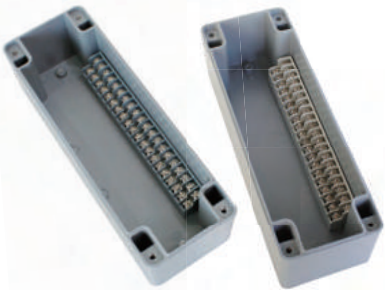
SG - AL / HL - 15P

- Size(mm) : 70 X 172 X 55
- Weight : 529g
- Allowable current : 10A



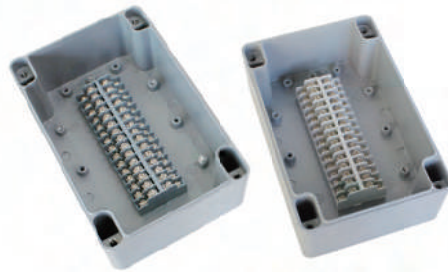
SG - AL / HL - 20P

- Size(mm) : 125 X 145 X 62
- Weight : 669g
- Allowable current : 10A



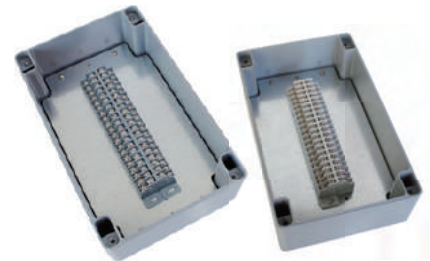
SG - AL / HL - 20PT

- Size(mm) : 80 X 235 X 80
- Weight : 957g
- Allowable current : 10A



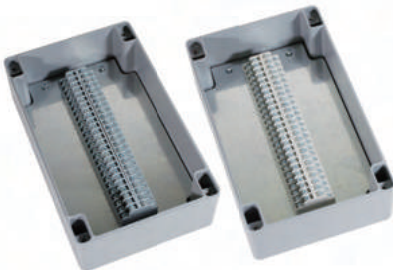
SG - AL / HL - 30P

- Size(mm) : 125 X 190 X 80
- Weight : 1205g
- Allowable current : 10A



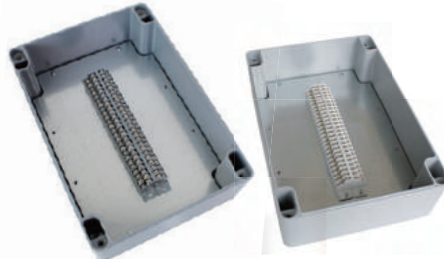
SG - AL / HL - 40P

- Size(mm) : 161 X 263 X 90
- Weight : 1822g
- Allowable current : 10A



SG - AL / HL - 50P - S

- Size(mm) : 161 X 263 X 90
- Weight : 2447g
- Allowable current : 10A



SG - AL / HL - 50P - L

- Size(mm) : 230 X 330 X 120
- Weight : 5237g
- Allowable current : 10A

MEMO

Aluminum Push Button Box

Ordering Information

SG - **CB** - **22** **01**

① ② ③

- ① **Product name**
Aluminum Control Box
- ② **Hole size**
No Hole / Ø22 / Ø25 / Ø30
- ③ **Number of holes**
1 / 2 / 3 / 4 holes



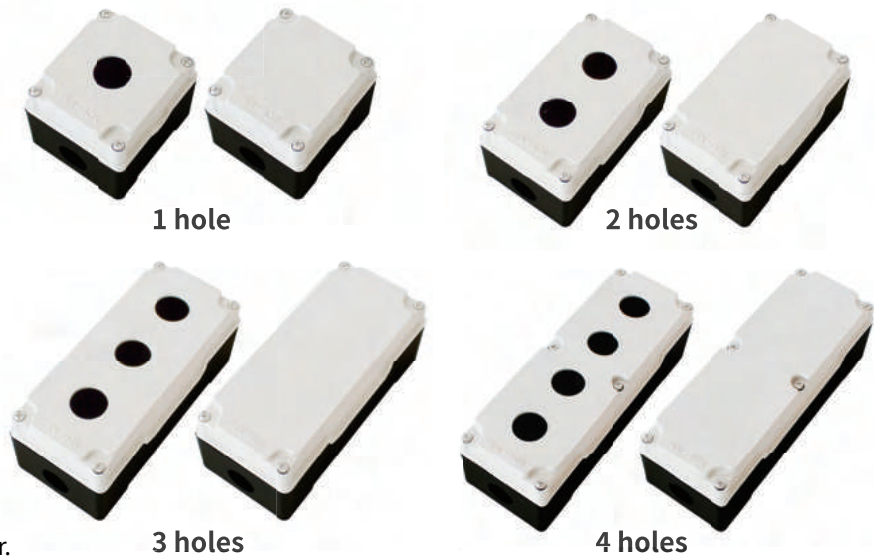
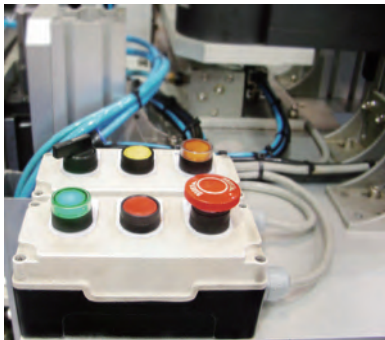
Feature

UL approved product.
The aluminum push button box has a hole (Ø22 / Ø25 / Ø30) in the cover, enabling the switch to be installed without a separate process.

Product Specifications

Color: Base – Black / Cover – White
Tolerance: ±1mm
Operating temperature: -20 ~ 70°C
Hole size: 22mm / 25mm / 30mm
Material: Aluminum [ALDC 12.1]

Example of use



Certificates



RoHS

※ The UL model is custom-made to order.

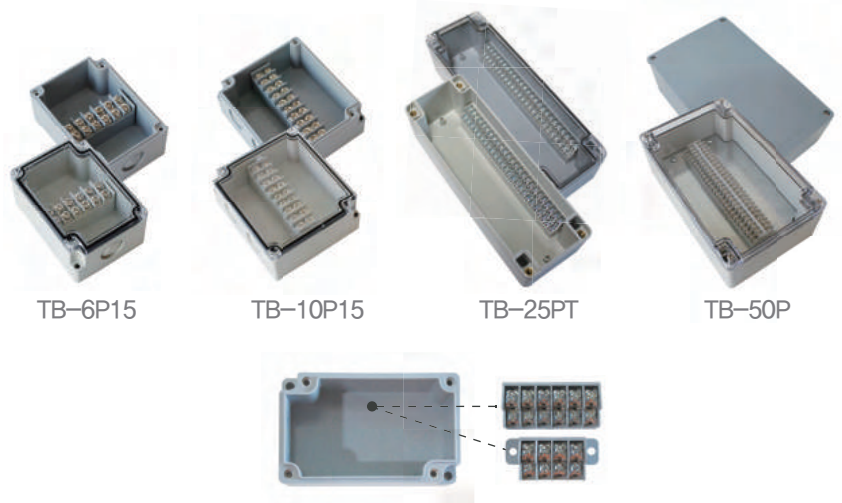
Hole	Ø	Model	Size(mm)	Weight(g)	Hole	Ø	Model	Size(mm)	Weight(g)
1 hole	No Hole	SG-CB-0001	80 X 90 X 70	385	3 holes	No Hole	SG-CB-0003	80 X 180 X 70	561
	Ø22	SG-CB-2201				Ø22	SG-CB-2203		
	Ø25	SG-CB-2501				Ø25	SG-CB-2503		
	Ø30	SG-CB-3001				Ø30	SG-CB-3003		
2 holes	No Hole	SG-CB-0002	80 X 135 X 70	481	4 holes	No Hole	SG-CB-0004	80 X 220 X 70	686
	Ø22	SG-CB-2202				Ø22	SG-CB-2204		
	Ø25	SG-CB-2502				Ø25	SG-CB-2504		
	Ø30	SG-CB-3002				Ø30	SG-CB-3004		

Plastic Terminal Box

Ordering Information

SG - **TB** - **4** **P** **G**
 ① ② ③ ④

- ① **Product name**
Plastic Terminal Box
- ② **Number of pins**
4 - 50 Pin
- ③ **Allowable current**
P, PT : 10A / P15 : 15A
- ④ **Color**
G : Gray / I : Ivory
GC : Gray with transparent cover
IC : Ivory with transparent cover



Feature

The Plastic Terminal Boxes are available in two colors: gray and ivory. Cover options include gray, ivory, and transparent types. With polyurethane packing, they deliver excellent waterproof and dustproof performance. Made from ABS material, these terminal-integrated boxes are offered in a range of custom sizes to meet user needs.

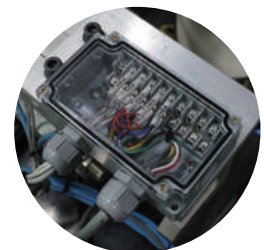
Product Specifications

Color: Gray, Ivory, Transparent cover
 Tolerance: ±1mm
 Operating temperature: -20 ~ 70°C
 Protection rating: IP67 / IK08
 Material: ABS V-0 / Transparent cover [PC]
 Mounting hole size: 0.17 in

Electrical Specifications

Allowable current: 10A / 15A
 Rated frequency: 50Hz
 Rated input voltage: AC250 Volts
 Withstand voltage: 1880V / 1minute

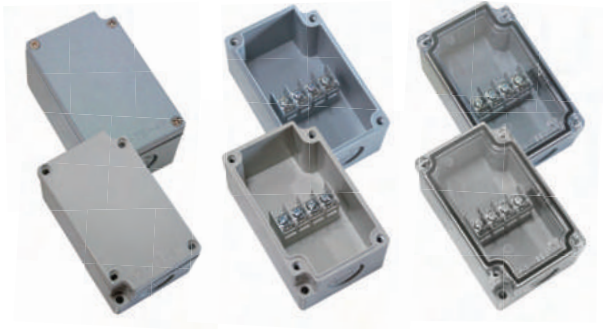
Certificates



Description

Plastic terminal boxes use ABS and are suitable for sensors, limits S/W, V/V BOX and various kinds of intermediate terminal boxes. Assembling existing prefabricated terminals and boxes is not difficult; productivity is maximized with all-in-one production, which saves resources so that they can be used more practically and safely. It is used in a range of fields, including industrial machinery, robots, commercial wiring, and low voltage control systems.

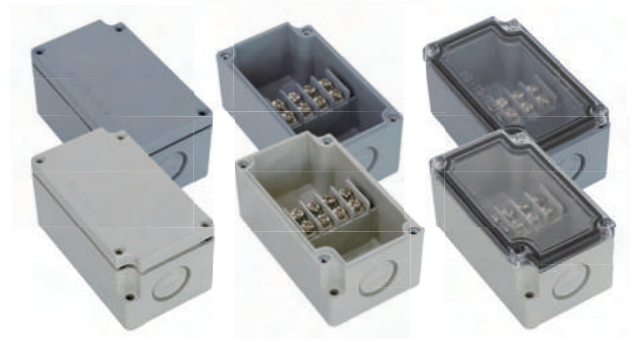
Model	Size(mm)	Weight(g)	Model	Size(mm)	Weight(g)
SG-TB-4P	50 X 85 X 40	80	SG-TB-15PT	75 X 170 X 55	290
SG-TB-4P15	52 X 90 X 45	94	SG-TB-20P15	150 X 160 X 65	479
SG-TB-4PT	65 X 65 X 45	99	SG-TB-20PT	80 X 235 X 56	440
SG-TB-6P	55 X 85 X 40	88	SG-TB-25PT	90 X 275 X 70	579
SG-TB-6P15	65 X 90 X 45	135	SG-TB-30P	125 X 190 X 65	527
SG-TB-6PT	65 X 80 X 45	115	SG-TB-30PT	125 X 190 X 65	527
SG-TB-10P15	90 X 100 X 45	183	SG-TB-40P	160 X 260 X 90	1421
SG-TB-10PT	65 X 110 X 45	156	SG-TB-50P	160 X 260 X 90	1522
SG-TB-15P15	100 X 200 X 65	423			



SG-TB-4P

10A

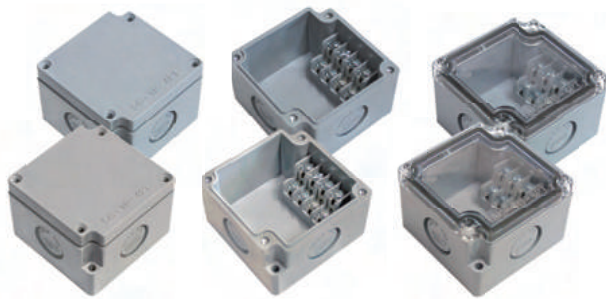
- Size(mm) : 52 X 85 X 45
- Weight : 79g
- Color : Gray, Ivory, Transparent cover



SG-TB-4P15

15A

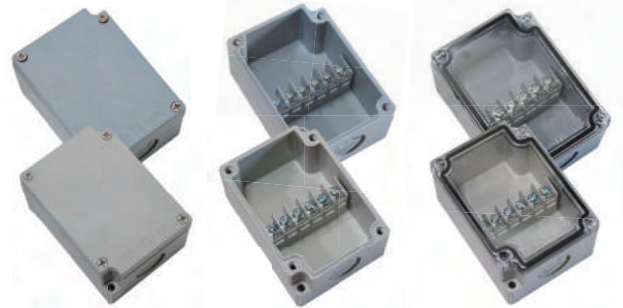
- Size(mm) : 52 X 90 X 45
- Weight : 94g
- Color : Gray, Ivory, Transparent cover



SG-TB-4PT

10A

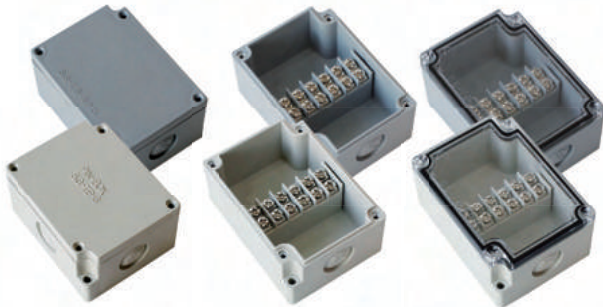
- Size(mm) : 65 X 65 X 45
- Weight : 99g
- Color : Gray, Ivory, Transparent cover



SG-TB-6P

10A

- Size(mm) : 60 X 85 X 45
- Weight : 92g
- Color : Gray, Ivory, Transparent cover



SG-TB-6P15

15A

- Size(mm) : 65 X 90 X 45
- Weight : 135g
- Color : Gray, Ivory, Transparent cover



SG-TB-6PT

10A

- Size(mm) : 65 X 80 X 45
- Weight : 115g
- Color : Gray, Ivory, Transparent cover



SG-TB-10P15

15A

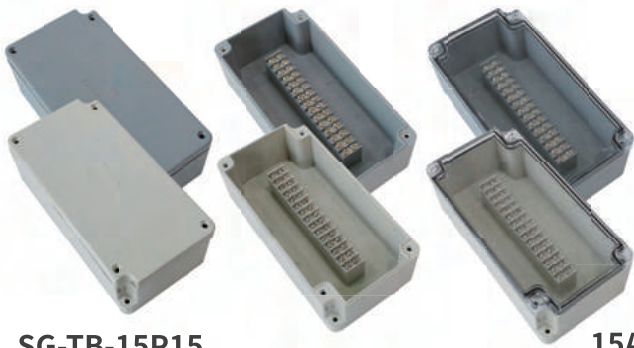
- Size(mm) : 90 X 100 X 45
- Weight : 183g
- Color : Gray, Ivory, Transparent cover



SG-TB-10PT

10A

- Size(mm) : 65 X 110 X 45
- Weight : 156g
- Color : Gray, Ivory, Transparent cover



SG-TB-15P15

15A

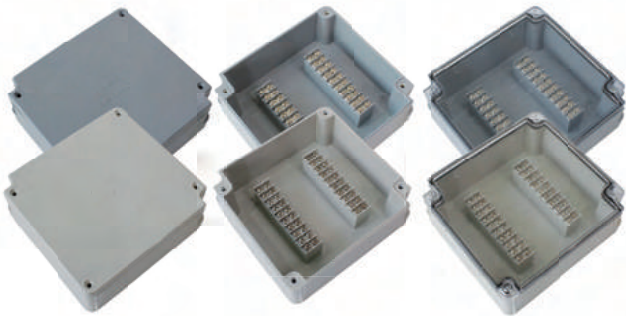
- Size(mm) : 100 X 200 X 65
- Weight : 423g
- Color : Gray, Ivory, Transparent cover



SG-TB-15PT

10A

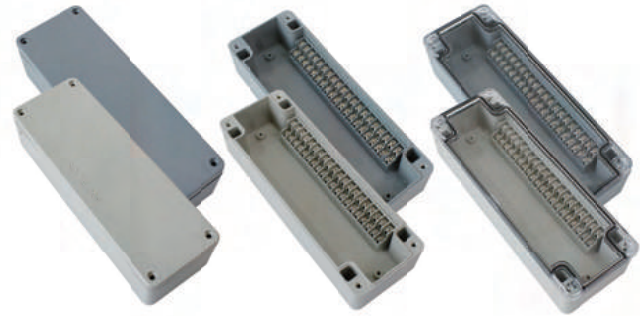
- Size(mm) : 75 X 170 X 55
- Weight : 290g
- Color : Gray, Ivory, Transparent cover



SG-TB-20P15

15A

- Size(mm) : 150 X 160 X 65
- Weight : 479g
- Color : Gray, Ivory, Transparent cover



SG-TB-20PT

10A

- Size(mm) : 80 X 235 X 56
- Weight : 440g
- Color : Gray, Ivory, Transparent cover



SG-TB-25PT

10A

- Size(mm) : 90 X 275 X 70
- Weight : 579g
- Color : Gray, Ivory, Transparent cover

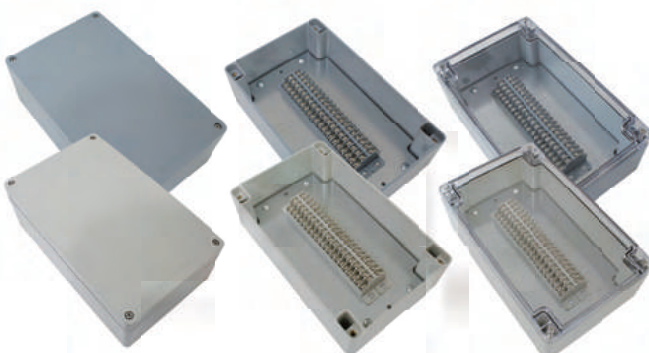


SG-TB-30P

SG-TB-30PT

10A

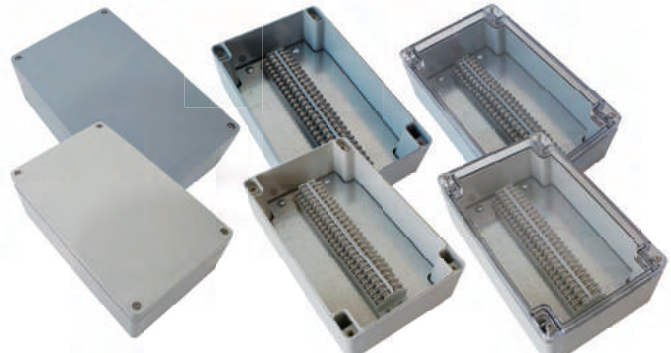
- Size(mm) : 125 X 190 X 65
- Weight : 527g
- Color : Gray, Ivory, Transparent cover



SG-TB-40P

10A

- Size(mm) : 160 X 260 X 90
- Weight : 1421g
- Color : Gray, Ivory, Transparent cover



SG-TB-50P

10A

- Size(mm) : 160 X 260 X 90
- Weight : 1522g
- Color : Gray, Ivory, Transparent cover

Plastic Junction Box

Ordering Information

SG - **JB** - **802305**
 ① ②

- ① **Product name**
Plastic Junction Box
- ② **Product size**
Width x length x height

Product Specifications

Color: Gray / Ivory / Transparent cover
 Tolerance: ±1mm
 Operating temperature: -20 ~ 70°C
 Protection rating: IP67
 Material: ABS V-0 / Transparent cover [PC]



RoHS

※ Models JB-528504 and JB-608504 can be used as connector boxes

Model	Size(mm)	중량(g)
SG-JB-528504	52 X 85 X 45	68
SG-JB-608504	60 X 85 X 45	76
SG-JB-802305	80 X 235 X 56	300
SG-JB-902707	90 X 275 X 70	290
SG-JB-121906	125 X 190 X 65	370
SG-JB-162609	160 X 260 X 90	750

Plastic Push Button Box

Ordering Information

SG - **PB** - **22** **01** **(70)** **Y**
 ① ② ③ ④ ⑤

- ① **Product name**
Plastic Push Button Box
- ② **Hole size**
Ø22 / Ø25 / Ø30
- ③ **Number of holes**
1 / 2 / 3 / 4 Holes
- ④ **Product height**
55mm / 70mm
- ⑤ **Cover color**
Red, Yellow, White



Feature

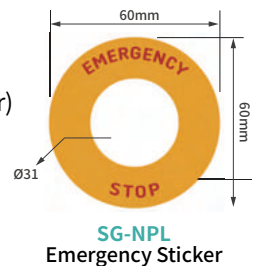
UL approved product.
 The plastic push button box has a hole (Ø22 / Ø25 / Ø30) in the cover, enabling the switch to be installed without a separate process.

Description

The plastic push button box is made in three colors: red, yellow, and white. They are used especially often in emergency stop switches, and are safer to use with bright, vivid colors when they are used as emergency switches. This product is designed to be durable and easy to install using PC materials.

Product Specifications

Color: Black (Base) / Red, Yellow, White (Cover)
 Tolerance: ±1mm
 Operating temperature: -20 ~ 70°C
 Material: PC

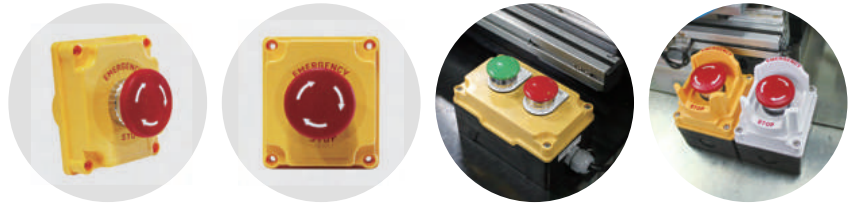


Certificates



※ The UL model is custom-made to order.

Example of use



※ There are only 1 hole and 2 holes in the mini type.



Mini 1 hole

- Size(mm) : 51 X 60 X 45
- Hole size : Ø12, Ø16
- Cover color : White, Yellow
- Weight : 139g



Mini 2 holes

- Size(mm) : 50 X 95 X 45
- Hole size : Ø12, Ø16
- Cover color : White, Yellow
- Weight : 157g



1 hole

- Size(mm) : 80 X 90 X 55 / 80 X 90 X 70
- Hole size : No Hole, Ø22, Ø25, Ø30
- Weight : 178g
- Cover color : Red, White, Yellow



2 holes

- Size(mm) : 80 X 135 X 55 / 80 X 135 X 70
- Hole size : No Hole, Ø22, Ø25, Ø30
- Weight : 231g
- Cover color : Red, White, Yellow



3 holes

- Size(mm) : 80 X 180 X 55 / 80 X 180 X 70
- Hole size : Ø22, Ø25, Ø30
- Weight : 253g
- Cover color : Red, White, Yellow



4 holes

- Size(mm) : 80 X 220 X 55 / 80 X 220 X 70
- Hole size : Ø22, Ø25, Ø30
- Weight : 303g
- Cover color : Red, White, Yellow

Hole	Ø	Model	Size(mm)	Weight	Hole	Ø	Model	Size(mm)	Weight
MINI 1 hole	Ø12 Ø16	SG-PB-1201 SG-PB-1601	51 X 60 X 45	139g	MINI 2 holes	Ø12 Ø16	SG-PB-1202 SG-PB-1602	50 X 95 X 45	157g
1 hole	No Hole	SG-PB-0001	80 X 90 X 55 80 X 90 X 70	178g	3 holes	Ø22	SG-PB-2203	80 X 180 X 55 80 X 180 X 70	253g
	Ø25	SG-PB-2501				Ø25	SG-PB-2503		
	Ø30	SG-PB-3001				Ø30	SG-PB-3003		
2 holes	No Hole	SG-PB-0002	80 X 135 X 55 80 X 135 X 70	231g	4 holes	Ø22	SG-PB-2204	80 X 220 X 55 80 X 220 X 70	303g
	Ø22	SG-PB-2202				Ø25	SG-PB-2504		
	Ø25	SG-PB-2502				Ø30	SG-PB-3004		
	Ø30	SG-PB-3002							

Emergency Guard

RoHS

Ordering Information

SG - **EG** **22** - **Y**
 ① ② ③

① **Product name**
Emergency Guard

② **Hole Size**
Ø22 / Ø25 / Ø30

③ **Color**
Y : Yellow / W : White



Model	Hole	Size(mm)	Weight(g)
SG-EG22	Ø22	64 X 82 X 38	32g
SG-EG25	Ø25		
SG-EG30	Ø30		

Specifications

Color: Yellow / White
 Tolerance : ±1mm
 Material : PC

Description

The switch protection guard prevents misoperation of switches installed in machinery while protecting against accidental contact with the machine and damage to the switch itself with a durable hard case, and is commonly used for emergency stop switches in semiconductor manufacturing equipment, machine tools, food processing machines, medical devices, and more.

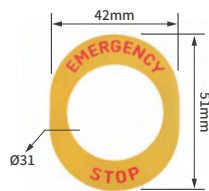
Emergency Guard Mini

Ordering Information

SG - **EGM** **22**
 ① ②

① **Product name**
Emergency Guard Mini

② **Hole Size**
Ø16 / Ø22 / Ø25 / Ø30



SG-NPS
Emergency Sticker



Model	Hole	Size(mm)	Weight(g)
SG-EGM16	Ø16	51 X 61 X 38	20g
SG-EGM22	Ø22		
SG-EGM25	Ø25		
SG-EGM30	Ø30		

Description

Various hole sizes and compact mini emergency guard.

Emergency Cover

RoHS

Ordering Information

SG - **EC** **22**
 ① ②

① **Product name**
Emergency Cover

② **Hole Size**
Ø22 / Ø25 / Ø30



Example of use



Product Specifications

Color : Clear
 Tolerance : ±1mm
 Protection rating: IP44
 Material : PC

Model	Hole	Size(mm)	Weight(g)
SG-EC22	Ø22	57 X 89 X 38	35g
SG-EC25	Ø25		
SG-EC30	Ø30		

Description

The switch protection cover shields the switch from external shocks and dust, helps prevent potential misuse, and fits various types and sizes of switches with an easy open-and-close design enabled by simple attachment and detachment.

Aluminum Profile Box

Ordering Information

SG - **MB** - **100** **A**

① ② ③

- ① **Product name**
Multi Box
- ② **Product length**
60 - 3800mm
- ③ **Product type**
M / MA / A / B / C / D / E

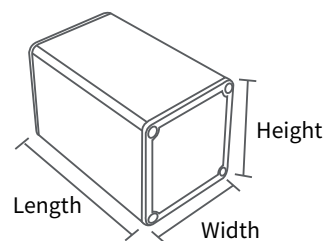


Feature

Made of aluminum profiles, it is light and durable. It comes in a total 7 different types, and can be customized based on customer needs.

Product Specifications

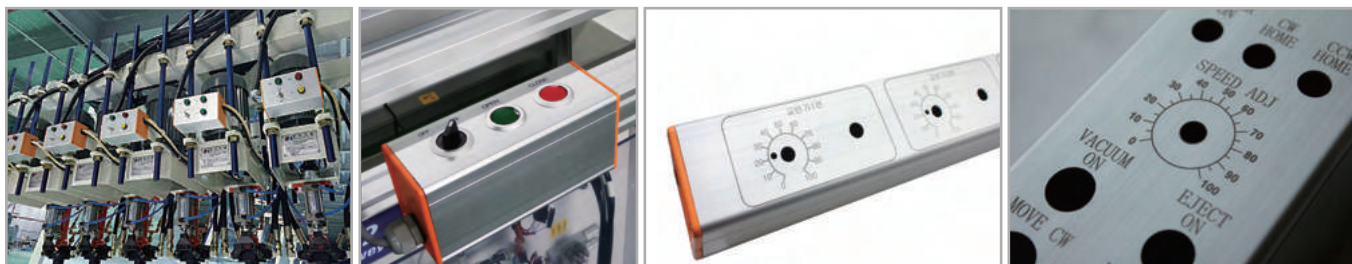
Color: Main body - Silver (anodizing) /
Side plate - Orange
Tolerance: ±1mm
Operating temperature: -20 ~ 70°C
Material: Aluminum profile /
Side plate [PC]



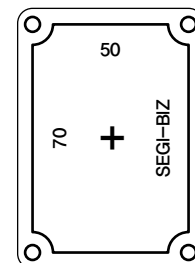
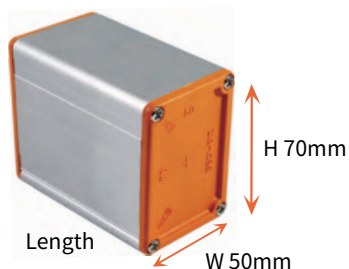
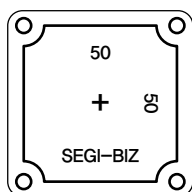
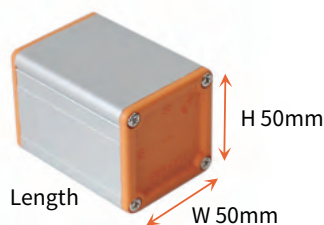
Description

Our aluminum profile boxes are lightweight, durable, and customizable up to 3.8m in length. They also support special machining, including round, square, and other custom-shaped tapping, as well as laser marking upon request. These products are widely used in various automation facilities and electronic equipment, and are particularly convenient as they are designed to function as push button boxes for mechanical devices.

Example of use



Product Type

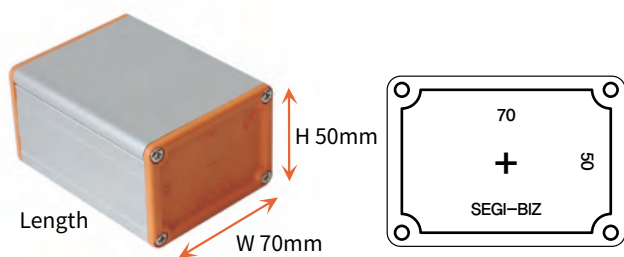


M Type

- Size(mm) : 50(W) mm X 50(H) mm X Length
- Thickness : 1.2T

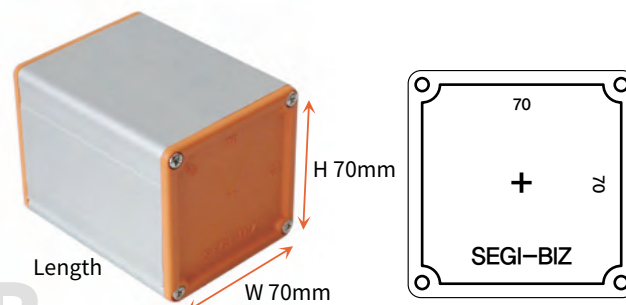
MA Type

- Size(mm) : 50(W) mm X 70(H) mm X Length
- Thickness : 1.2T



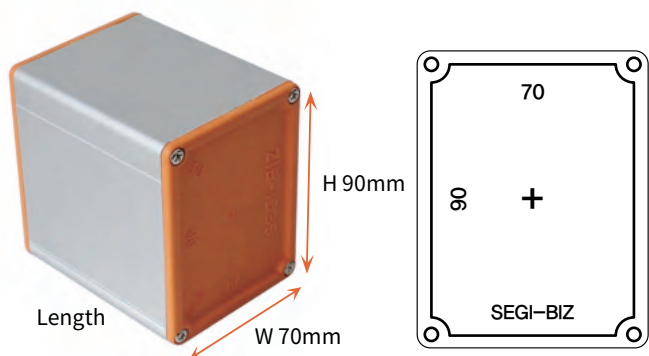
A Type

- Size(mm) : 70(W) mm X 50(H) mm X Length
- Thickness : 1.2T



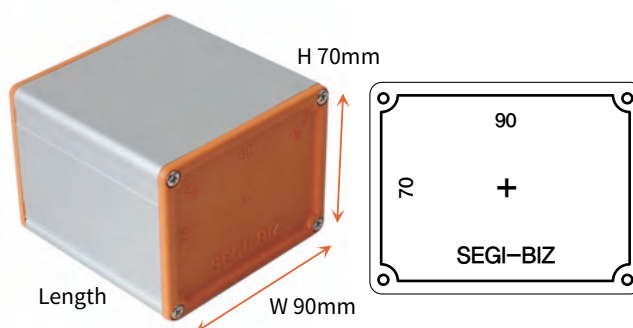
B Type

- Size(mm) : 70(W) mm X 70(H) mm X Length
- Thickness : 1.4T



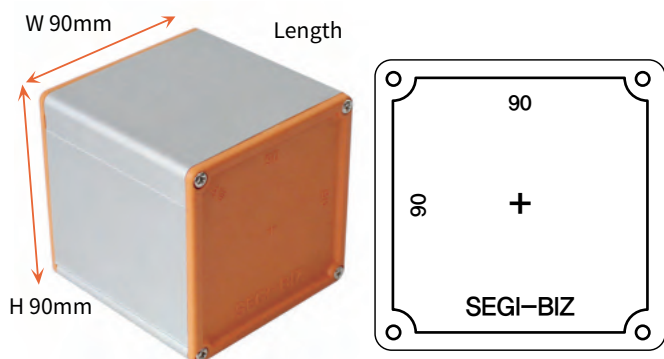
C Type

- Size(mm) : 70(W) mm X 90(H) mm X Length
- Thickness : 1.6T



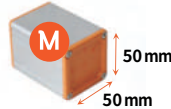
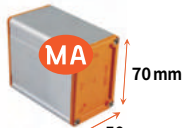
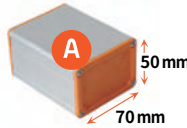
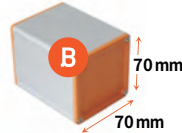
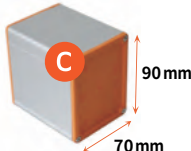
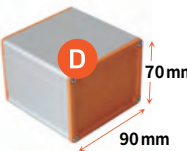
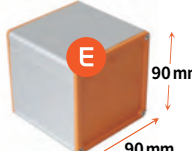
D Type

- Size(mm) : 90(W) mm X 70(H) mm X Length
- Thickness : 1.4T



E Type

- Size(mm) : 90(W) mm X 90(H) mm X Length
- Thickness : 1.6T

Aluminum Profile Box	 Size : 50 X 50 T : 1.2	 Size : 50 X 70 T : 1.2
	 Size : 70 X 50 T : 1.2	 Size : 70 X 70 T : 1.4
	 Size : 70 X 90 T : 1.6	 Size : 90 X 70 T : 1.4
	 Size : 90 X 90 T : 1.6	

Aluminum Profile Push Button Box

Ordering Information

SG - MS - 22 01 A
 ① ② ③ ④

① **Product name**
Multi Switch Box

② **Hole size**
Ø12 / Ø16 / Ø22 / Ø25 / Ø30

③ **Number of holes**
1 / 2 / 3 / 4 / 5 / 6 holes

④ **Product type**
M / MA / A / B / C / D / E



Feature

The aluminum profile push button boxes has holes (Ø12, Ø16, Ø22, Ø25, Ø30), enabling the switch to be installed without a separate process. Laser marking for nameplates is also available.

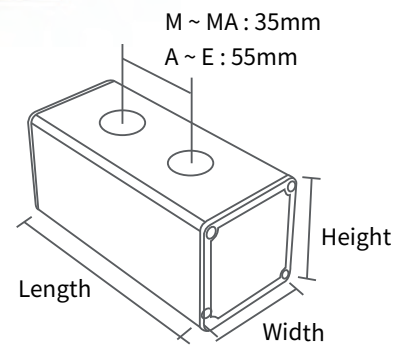
Product Specifications

Color : Main body - Silver (anodizing) / Side plate - Orange

Tolerance : ±1mm

Operating temperature : -20 ~ 70°C

Material : Aluminum profile / Side plate [PC]



Model	Size(mm)				Model	Size(mm)			
	Type	Width	Height	Length		Type	Width	Height	Length
SG-MS-1201	M	50	50	70	SG-MS-1204	M	50	50	175
SG-MS-1601	MA	50	70		SG-MS-1604	MA	50	70	
SG-MS-1202	M	50	50	105	SG-MS-1205	M	50	50	210
SG-MS-1602	MA	50	70		SG-MS-1605	MA	50	70	
SG-MS-1203	M	50	50	140	SG-MS-1206	M	50	50	245
SG-MS-1603	MA	50	70		SG-MS-1606	MA	50	70	
SG-MS-2201	A	70	50	90	SG-MS-2204	A	70	50	255
SG-MS-2501	B	70	70		SG-MS-2504	B	70	70	
SG-MS-3001	C	70	90		SG-MS-3004	C	70	90	
	D	90	70		SG-MS-2204	D	90	70	
	E	90	90		SG-MS-2504	E	90	90	
SG-MS-2202	A	70	50	145	SG-MS-2205	A	70	50	310
SG-MS-2502	B	70	70		SG-MS-2205	B	70	70	
SG-MS-3002	C	70	90		SG-MS-2505	C	70	90	
	D	90	70		SG-MS-3005	D	90	70	
	E	90	90	SG-MS-2203	E	90	90	200	
SG-MS-2203	A	70	50	SG-MS-2206	A	70	50		
SG-MS-2503	B	70	70	SG-MS-2506	B	70	70		
SG-MS-3003	C	70	90	SG-MS-2506	C	70	90		
	D	90	70	SG-MS-3006	D	90	70	365	
	E	90	90	SG-MS-3006	E	90	90		

Aluminum Profile Industrial Socket Box

※ Can be customized

Ordering Information

SG - MC - 01 (406502V)

① ② ③

- ① **Product name**
Multi Socket Box
- ② **Number of Socket**
1 ~ 4ea
- ③ **Number of industrial Sockets**
406502V / 406506V



SG-MC-02
(406506V)

SG-MC-01
(406502V)

Model	Size(mm)		
	Width	Height	Length
SG-MC-01 (406502V / 406506V)	90	70	140
SG-MC-02 (406502V / 406506V)			250
SG-MC-03 (406502V / 406506V)			360
SG-MC-04 (406502V / 406506V)			470

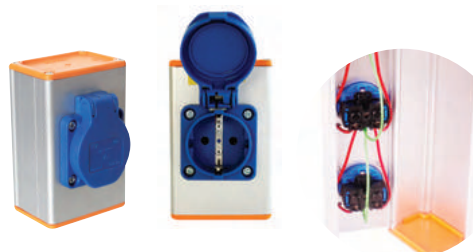
Aluminum Profile Socket Box

Ordering Information

SG - MC - 01

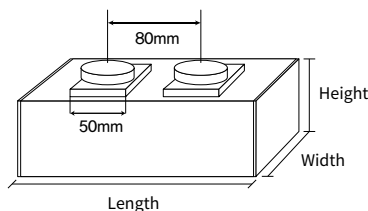
① ②

- ① **Product name**
Multi Socket Box
- ② **Number of Sockets**
1 ~ 8ea



Specifications

Color: Main body - Silver / Side plate - Orange
 Voltage / Current: AC220V~240V / 16A
 Tolerance: ±1mm
 Operating temperature: -20 ~ 70°C
 ※ Can be customized



Model	Size(mm)			Model	Size(mm)		
	Width	Height	Length		Width	Height	Length
SG-MC-01	70	50	108	SG-MC-05	70	50	428
SG-MC-02			188	SG-MC-06			508
SG-MC-03			268	SG-MC-07			588
SG-MC-04			348	SG-MC-08			668

Ordering Information

SG - MC L - 02

① ② ③

- ① **Product name**
Multi Socket Box
- Outlet direction**
- ② Horizontal type (W) / Vertical type (L)
- ③ **Number of Sockets**
2 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18ea

Specifications

Color: Main body - Silver / Side plate - Orange
 Operating temperature: -20 ~ 70°C
 ※ AC 110V 220V types are available / Can be customized

■ Horizontal type (W)



AC 220V

■ Vertical type (L)

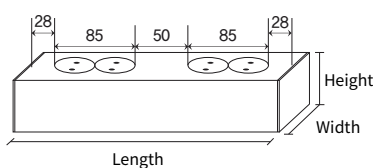


AC220V



AC110V

Model	Size(mm)		
	Width	Height	Length
SG-MCL(W)-02	70	50	141
SG-MCL(W)-04			276
SG-MCL(W)-06			411
SG-MCL(W)-08			546
SG-MCL(W)-10			681
SG-MCL(W)-12			816
SG-MCL(W)-14			951
SG-MCL(W)-16			1086
SG-MCL(W)-18			1221



Aluminum Profile Socket Box Sloped Type

Ordering Information

SG - **MP** - **01**
 ① ②

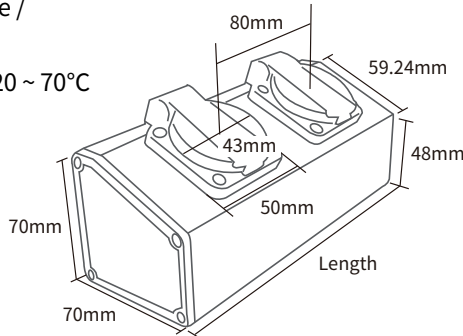
- ① **Product name**
Multi Pentagon Socket Box
- ② **Number of Sockets**
1 ~ 8ea



※ Tolerance : ±1mm

Product Specifications

- Color : Main body - Silver (anodizing) / Side plate - Orange / Socket - Blue
- Voltage / Current : AC220V~240V / 16A
- Material : Aluminum profile / Side plate [PC]
- Operating temperature : -20 ~ 70°C
- Sloping angle : 22°
- ※ Can be customized



Model	Size(mm)		
	Width	Height	Length
SG-MP-01	70	70	108
SG-MP-02			188
SG-MP-03			268
SG-MP-04			348
SG-MP-05			428
SG-MP-06			508
SG-MP-07			588
SG-MP-08			668

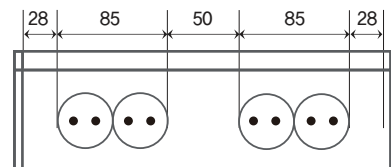
Ordering Information

SG - **MP** **W** - **02**
 ① ② ③

- ① **Product name**
Multi Pentagon Socket Box
- ② **Outlet direction**
Horizontal type (W)
- ③ **Number of Sockets**
2 / 4 / 6 / 8ea

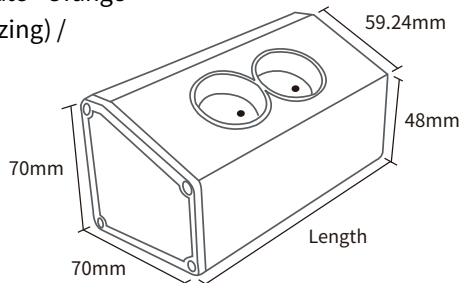


Top Surface



Product Specifications

- Color : Main body - Silver / Side plate - Orange
- Material : Aluminum profile (anodizing) / Side plate [PC]
- Tolerance : ±1mm
- Operating temperature : -20 ~ 70°C
- Sloping angle : 22°
- ※ Can be customized



Model	Size(mm)		
	Width	Height	Length
SG-MPW(L)-02	70	70	141
SG-MPW(L)-04			276
SG-MPW(L)-06			411
SG-MPW(L)-08			546
SG-MPW(L)-10			681
SG-MPW(L)-12			816
SG-MPW(L)-14			951
SG-MPW(L)-16			1086
SG-MPW(L)-18			1221

Breaker Type Mobile Industrial Socket Box



Portable Power Supply		
Box	Size	300(W) X 520(H) X 300(D)mm
	Thickness / Weight	1.6T / 19kg
Circuit breaker	Type	ELB-3P (2ea)
	Breaking Capacity	2.5kA
Socket	Type	406506V(4P16)
	EA	4
	Voltage	380-415V
	Current	16A
Protection Rating		IP44

Product Specifications

Color : Yellow Material : Steel Circuit breaker's Voltage / Current : AC460V / 30A
 Tolerance : ±1mm Operating temperature : -20°C ~ 70°C ※ Can be customized

※ The socket type can be changed by the customer.
 ※ 30A, 50A, 60A
 ※ Single or Three - phase types can be customized.

Description

The 30A, 50A, and 60A models improve on the traditional method of supplying power by connecting wires directly to the distribution board, making it simple to deliver power to the outlet. They include short circuit breakers with appropriate capacity to prevent accidents and feature a compact design that saves space.

Breaker Type Industrial Socket Box

Specifications

Color: Main body - Silver / Side plate - Orange
 Material : Aluminum profile (anodizing) / Flame-Side plate [PC]
 Tolerance : ±1mm Operating temperature : -20°C ~ 70°C
 ※ Can be customized

Ordering Information

SG - **MCN** - **02** - **S** **L**

① ② ③ ④

- ① **Product name**
Multi Socket Box NFB type
- ② **Number of Sockets**
02 *Custom Socket Available
- ③ **Supply system**
S : Single Phase / T : Three Phase
- ④ **Length**
S : short / L : Long



Model	SG-MCN-02-SS(30A)	SG-MCN-02-SL(30A)	SG-MCN-02-S(60A)	SG-MCN-02-T(30A)	SG-MCN-02-T(50A)	SG-MCN-02-T(60A)
Box	Size	70 X 70 X 310mm	90 X 70 X 420mm	90 X 70 X 420mm	90 X 70 X 420mm	90 X 70 X 420mm
	Thickness	1.4T	1.4T	1.4T	1.4T	1.4T
Circuit Breaker	Type	ELB-2P	ELB-2P	ELB-2P	ELB-3P	ELB-3P
	Rated Voltage	AC220V	AC220V	AC220V	AC460V	AC460V
	Rated Current	30A	30A	60A	30A	50A
	Breaking Capacity	2.5kA	5kA	5kA	2.5kA	2.5kA
Socket	Type	404030ST06 (2P16)	406502V (3P16)	406514V (4P32)	406506V (4P16)	406506V(4P16) / 406518V(4P32)
	EA	2ea	2ea	2ea	2ea	1ea / 1ea
	Voltage	220-240V	220-250V	220-250V	380-415V	380-415V
	Current	16A	16A	32A	16A	16A / 32A
	Protection rating	IP54	IP44	IP44	IP44	IP44

Power Distribution

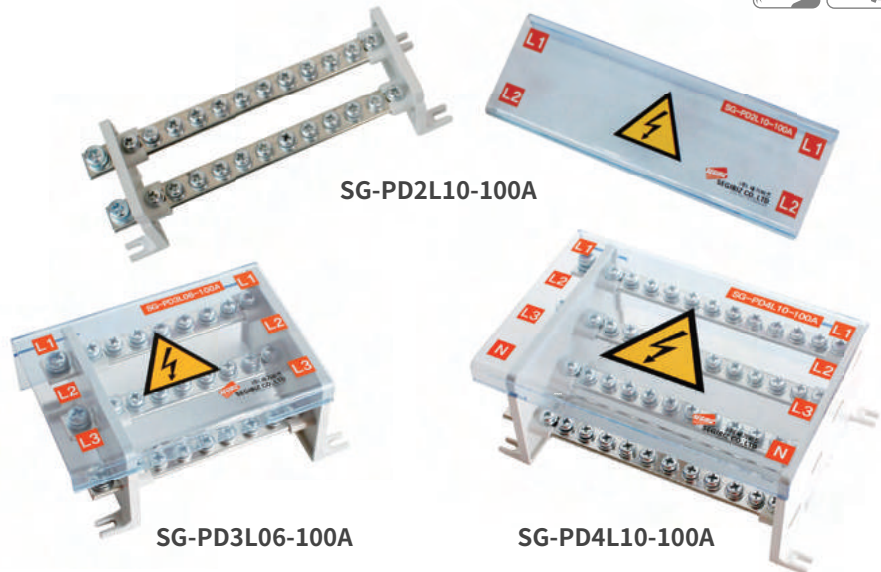


Ordering Information

SG - **PD** **2L** **06** - **100A**

① ② ③ ④

- ① **Product name**
Power Distribution
- ② **Power supply system**
2L / 3L / 4L
- ③ **Number of terminals**
6P / 10P
- ④ **Rated current**
50A / 100A / 200A



Feature

UL approved product.
There is a removable protective cover to protect against electric shock accidents.
Busbar direction (left, right) position can be changed.
35mm DIN rail mounting is possible.

Electrical Specifications

Allowable current : 50A / 100A / 200A
Rated input voltage : 600V

Safety Specifications



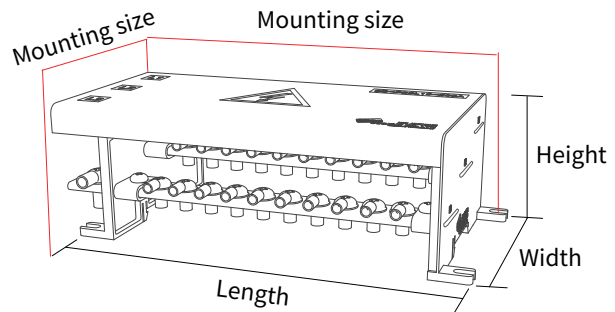
※ The UL model is an order made.

Description

The power distribution is a device that distributes the secondary power supplied from the main power to the primary power of each phase. By improving on the existing complex distribution method, it increases the efficiency of installation work. The PC-made cover and heat-resistant material side plate are highly resistant to shock and heat, enabling you to use it safely.

Product Specifications

Tolerance : ±1mm
Operating temperature : -20 ~ 110°C
Material : Side plate [mPPO] / Cover [PC]
99.9% Copper + Tin plated busbar



Model	Power fix bolt size	Mounting & Hole size
SG-PD2L06-50A	119 X 49 X 47 2T X 10 M5 M4	105 X 39 / Ø4.1 90
SG-PD3L06-50A	119 X 70 X 59 2T X 10 M5 M4	105 X 60 / Ø4.1 133
SG-PD2L06-100A	132 X 59 X 48 3T X 15 M6 M5	117 X 49 / Ø4.1 173
SG-PD2L10-100A	180 X 59 X 48 3T X 15 M6 M5	166 X 49 / Ø4.1 240
SG-PD3L06-100A	132 X 85 X 60 3T X 15 M6 M5	117 X 75 / Ø4.1 265
SG-PD3L06-200A	144 X 103 X 67 4T X 20 M8 M6	130 X 93 / Ø4.1 480
SG-PD3L10-100A	180 X 85 X 60 3T X 15 M6 M5	166 X 75 / Ø4.1 357
SG-PD3L10-200A	211 X 103 X 67 4T X 20 M8 M6	186 X 93 / Ø4.1 650
SG-PD4L06-100A	132 X 111 X 72 3T X 15 M6 M5	117 X 101 / Ø4.1 355
SG-PD4L06-200A	156 X 135 X 72 4T X 20 M8 M6	131 X 123 / Ø4.1 646
SG-PD4L10-100A	180 X 111 X 72 3T X 15 M6 M5	166 X 101 / Ø4.1 480
SG-PD4L10-200A	200 X 135 X 81 4T X 20 M8 M6	186 X 123 / Ø4.1 878

Power Distribution Terminal Block



Ordering Information

SG - **PD** - **100** - **4P**

① ② ③

- ① **Product name**
Power Distribution Terminal Block
- ② **Rated current**
100A / 200A / 250A / 400A
- ③ **Number of terminals**
4P / 6P / 8P / 9P / 12P



Feature

It can be used efficiently even in narrow spaces, with a more compact size than the conventional model. Installation of hinge-type protective cover and input terminal protective cover prevents accidents such as electric shock.

As screw connection and channel mounting can be done on the main body, installation and maintenance are convenient.

Electrical Specifications

Allowable current : 100A / 200A / 250A / 400A
 Pitch : 20mm / 30mm / 40mm
 Rated input voltage : 600V

Description

The power distribution terminal block type is economical with its small size, and it can be used conveniently by improving work efficiency. It can be mounted directly on the product body in a narrow space, or used by mounting on a standard 35mm DIN rail, and each consists of 1 input terminal and 4~8 output terminals. As it uses heat-resistant material, it is resistant to impact and heat, and the busbar is plated with tin with 99.9% copper, giving it a higher conductivity than brass. The protective cover makes it safer and more convenient to use.

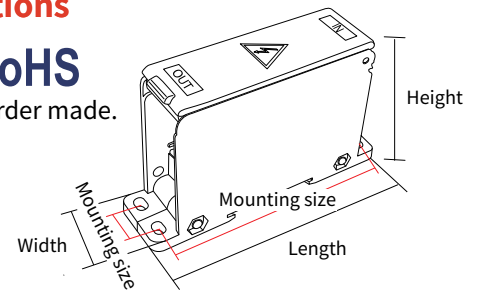
Product Specifications

Tolerance: ±1mm
 Operating temperature: -20 ~ 110°C
 Material: Side plate [mPPO] / Cover [PC]
 99.9% Copper + Tin plated busbar

Safety Specifications



※ The UL model is an order made.



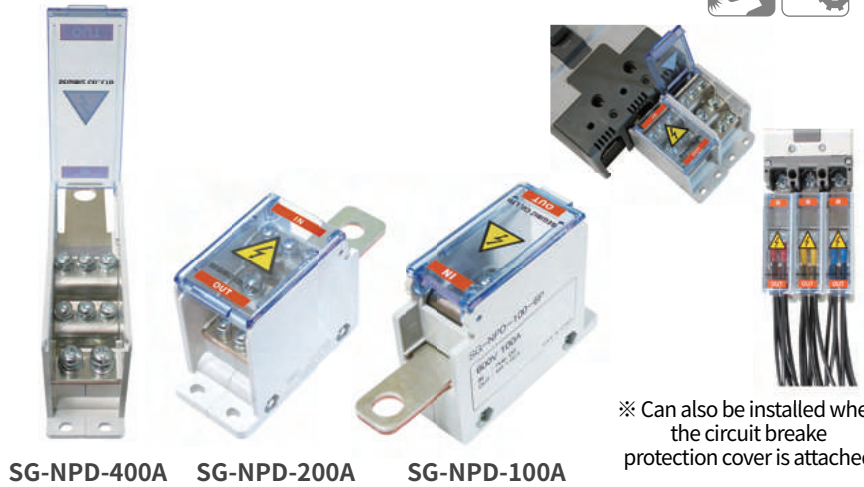
Model	Rated capacity	Pitch	Bolt size IN OUT	Busbar size	Size(mm)	Mounting & Hole size	Weight(g)	
SG-PD-100-4P	600V 100A	20mm	M6	M4 x 2 M5 x 2	3T X 20mm	25 X 95 X 58	85.5 X 12.4mm Ø4.5	104
SG-PD-100-6P				M4 x 6				
SG-PD-200-4P	600V 200A	30mm	M8	M5 x 2 M6 x 2	3T X 30mm	35 X 95 X 58	85.5 X 17.4mm Ø4.5	165
SG-PD-200-6P				M5 x 6				
SG-PD-200-8P				M4 x 6 M5 x 2				
SG-PD-250-9P	600V 250A	40mm	M8	M5 x 9	3T X 40mm	45 X 95 X 58	85.5 X 27.4mm Ø4.5	230
SG-PD-250-12P				M4 x 12				
SG-PD-400-6P	600V 400A	40mm	M10	M8 x 6	4T X 40mm	45 X 148 X 83	136.4 X 22.3mm Ø5.5	419
SG-PD-400-8P				M8 x 2 M6 x 6				403

NFB Power Distribution Terminal Block

Ordering Information

SG - **NPD** - **100** - **4P**
 ① ② ③

- ① **Product name**
NFB Power Distribution Terminal Block
- ② **Rated current**
100A / 200A / 400A
- ③ **Number of terminals**
4P / 6P / 8P



Feature

It is easy to connect directly to the main breaker without the need for a separate terminal, and is a space saving product with the same width as the breaker frame.

Product Specifications

Tolerance: ±1mm
 Operating temperature: -20 ~ 110°C
 Material: Side plate [mPPO] / Cover [PC]
 99.9% Copper + Tin plated busbar

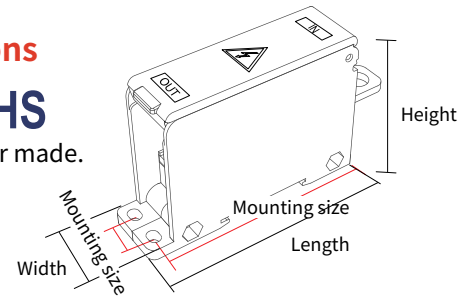
Electrical Specifications

Allowable current : 100A (Available with 50A breaker)
 200A / 400A
 Pitch : 20mm / 30mm / 40mm
 Rated input voltage : 600V

Safety Specifications

UL **US** **CE** **RoHS**

※ The UL model is an order made.



Description

The NFB terminal block type power distributor is an upgraded terminal block type power distributor. As there is a link that can be directly connected to the main breaker, it can be connected without the need for a separate terminal. The width of the product is the same as that of the breaker frame, which helps to save space. The heat-resistant material side plate resists shock and heat, and the PC material protection cover prevents electric shock, enabling safe use. As the busbar is coated with 99.9% copper with tin, it has a higher conductivity than brass and can be used efficiently.

Model	Rated capacity	Pitch	Bolt size IN	Bolt size OUT	Busbar size	Size(mm)	Mounting & Hole size	Weight(g)
SG-NPD-100-4P	600V 100A	20mm	Hole Ø9	M4 x 2	3T X 20mm	25 X 105 X 58	12.4 mm / Ø4.5	96
SG-NPD-100-6P				M5 x 2				
				M4 x 6				
SG-NPD-200-4P	600V 200A	30mm	Hole Ø10	M5 x 2	3T X 30mm	35 X 113 X 58	17.4 mm / Ø4.5	140
SG-NPD-200-6P				M6 x 2				
SG-NPD-200-8P				M5 x 6				
				M4 x 6				
				M5 x 2				
SG-NPD-400-6P	600V 400A	40mm	Hole Ø12.5	M8 x 6	4T X 40mm	45 X 173 X 83	22.3 mm / Ø5.5	397
SG-NPD-400-8P				M8 x 2				382
				M6 x 6				

Power Distribution Kit



Ordering Information

SG - **PDK** **2L** **10** - **100A**

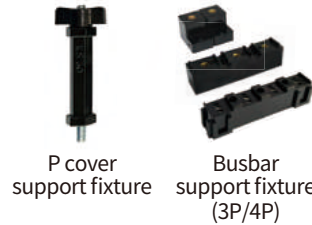
① ② ③ ④

- ① **Product name**
Power Distribution Kit
- ② **Power supply system**
2L / 3L / 4L
- ③ **The Number of terminals**
10P / 12P / 15P
- ④ **Rated current**
100A / 200A

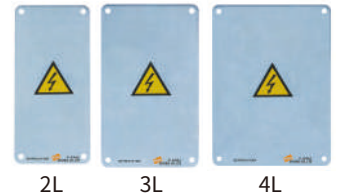


100A

200A



※ The thickness is 4T



Feature

Can be highly utilized due to the large number of connection PINs (10P/12P/15P)
The height of each busbar is different, making cable wiring convenient

Electrical Specifications

Rated current : 100A / 200A
Pitch : 100A - 12mm / 200A - 14mm
Rated input voltage : 600V

Description

The power distribution kit can be connected directly to the breaker main.
This product increases the efficiency of installation work by making it easy to wire cables by varying the height of each stage.

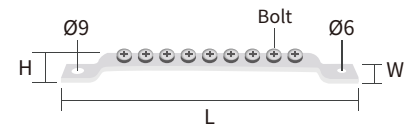
Product Specifications

Tolerance : ±1mm
Material : Cover [PMMA]
99.9% Copper + Tin plated busbar
P cover support fixture / Busbar support fixture [PVC]

Busbar height(H)

Busbar	L1	L2	L3	L4
100A	-	11	18	25
200A	-	14	21	28

[Tolerance : ± 1mm]



Model	Busbar size (t X W X L / mm)	Mounting hole		Bolt size	Cover size (mm)	Mounting & Hole size
		Busbar	Breaker			
SG-PDK2L10-100A	3T X 15 X 189	Ø6	Ø9	M5 X 9.2	110 X 235	90 X 215mm / Ø7
SG-PDK3L10-100A					140 X 235	120 X 215mm / Ø7
SG-PDK4L10-100A					170 X 235	150 X 215mm / Ø7
SG-PDK2L12-100A	3T X 15 X 213	Ø6	Ø9	M5 X 9.2	110 X 260	90 X 240mm / Ø7
SG-PDK3L12-100A					140 X 260	120 X 24mm0 / Ø7
SG-PDK4L12-100A					170 X 260	150 X 240mm / Ø7
SG-PDK2L15-100A	3T X 15 X 249	Ø6	Ø9	M5 X 9.2	110 X 295	90 X 275mm / Ø7
SG-PDK3L15-100A					140 X 295	120 X 275mm / Ø7
SG-PDK4L15-100A					170 X 295	150 X 275mm / Ø7
SG-PDK2L10-200A	4T X 20 X 212	Ø6	Ø9	M6 X 12	155 X 260	135 X 240mm / Ø7
SG-PDK3L10-200A					155 X 260	135 X 240mm / Ø7
SG-PDK4L10-200A					190 X 260	170 X 240mm / Ø7
SG-PDK2L12-200A	4T X 20 X 240	Ø6	Ø9	M6 X 12	155 X 290	135 X 270mm / Ø7
SG-PDK3L12-200A					155 X 290	135 X 270mm / Ø7
SG-PDK4L12-200A					190 X 290	170 X 270mm / Ø7
SG-PDK2L15-200A	4T X 20 X 282	Ø6	Ø9	M6 X 12	155 X 330	135 X 310mm / Ø7
SG-PDK3L15-200A					155 X 330	135 X 310mm / Ø7
SG-PDK4L15-200A					190 X 330	170 X 310mm / Ø7

Common Terminal Block

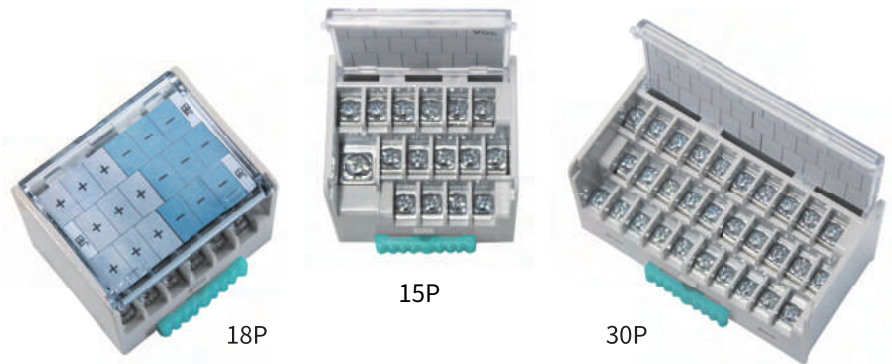
Ordering Information

SG - **JTB** - **15P**

① ②

① **Product name**
Common Terminal Block

② **No. of terminal poles**
15P, 18P, 30P



Feature

- PCB-less busbar type, rated up to 30A.
- Integrated housing design minimizes the risk of short circuit and electric shock.
- Stepped structure enables dual terminal wiring.

Product Specifications

Color : Body - Ivory / Cover - Clear

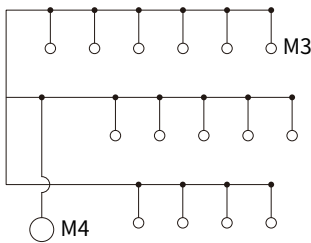
Material : Screw [Steel + trivalent white plating]

Cover [PC(UL94 V-2)] / Body [PC(UL94 V-0)]

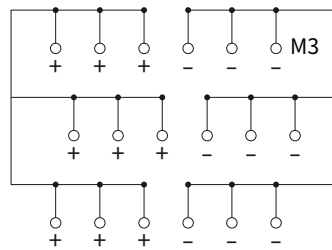
Hook [Acetal] / Conductive Plate [Brass + tin-plated]

Wiring diagram

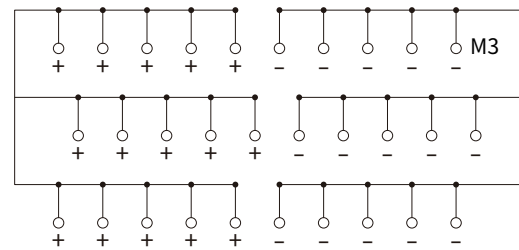
15P



18P



30P



Description

The JTB series is a PCB-free busbar-type common terminal block available in 15P, 18P, and 30P.

Snap-on mounting compatible with 35mm DIN rail, with a marking strip insertable into the groove of the push section for identification.

Product Specifications

Model		JTB-15P	JTB-18P	JTB-30P
Rated voltage		AC, DC250V		
Rated current		30A (Total)		
No. of terminal blocks	Input	1ea	18ea (9+9)	30ea (15+15)
	Output	15ea		
Suitable wire	Input	AWG 16~14		
	Output	AWG 20~16		
Insulation resistance		100MΩ or more (DC500V)		
Withstand voltage		1,500V AC / 1min		
Terminal screw	Input	M4 X 9	-	
	Output		M3 X 7	
Screw torque	Input	14Kgf·cm(1.4N·m)		
	Output	7 ~ 8Kgf·cm(0.68 ~ 0.78N·m)		
Environment resistant	Ambient temperature	-10 ~ 50°C		
	Ambient humidity	35 ~ 85%RH		

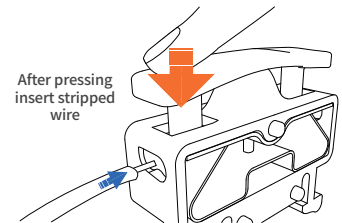
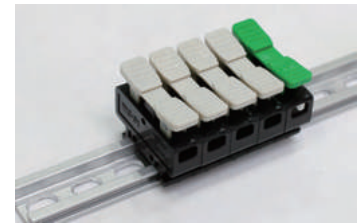
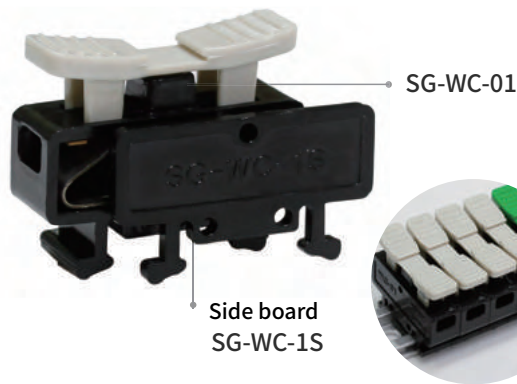
Note 1) The conditions of use of the environment items are that they are not freezing or condensing.

Wire Connector

Ordering Information

SG - **WC** - **01**
 ① ②

- ① **Product name**
Wire Connector
- ② **Number of connector**
1Pin



Feature

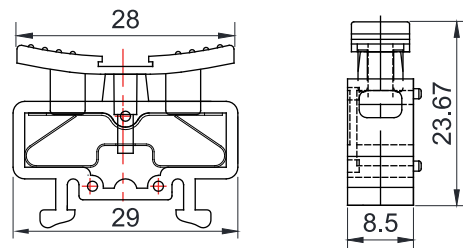
Rail type connector product that is fixed to the channel and be used. The main body is made of PC and the PUSH part is made of ABS, giving it excellent heat resistance and strong impact resistance. Side board can be ordered separately.

Product Specifications

Color: Ivory, Green - Push, Black - Main Body
 Operating temperature: -20 ~ 70°C
 Material: Main body [PC] / PUSH [ABS V-0]

Electrical Specifications

Rated current : : 6A
 Service wire size : 1.5mm² (20 ~ 16AWG)
 Rated input voltage : 250Volts



Description

This product can be used by inserting stripped wires that meet the standard while pressing the push section. It is designed exclusively for DIN rail mounting and allows a name strip to be inserted into the groove on the push part of the product.

Plastic Connector Box

Ordering Information

SG - **WC** - **06**
 ① ②

- ① **Product name**
Plastic Connector Box
- ② **Number of connector**
6, 10, 15, 20Pin



Description

The plastic connector box can save time and cost by allowing you to use a wire connector instead of a terminal box.

Model	Size(mm)	Weight(g)	Model	Size(mm)	Weight(g)
SG - WC - 6P	90 X 65 X 45	135	SG - WC - 15P	100 X 200 X 65	423
SG - WC - 10P	90 X 100 X 45	183	SG - WC - 20P	160 X 150 X 65	479

Terminal Block

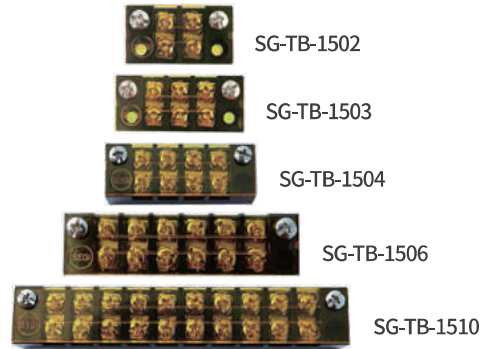
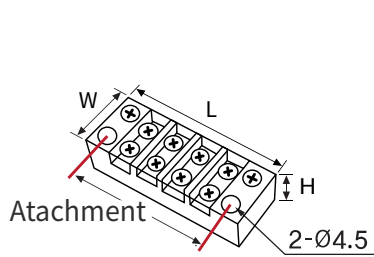
RoHS

Ordering Information

SG - **TB** - **1502**

① ②

- ① **Product name**
Terminal Block
- ② **Current / Number of pins**
15A / 02 - 10 Pin



Product Specifications

Tolerance: $\pm 1\text{mm}$
 Color: Black
 Operating temperature: $-20 \sim 70^\circ\text{C}$
 Rated voltage: 250V
 Allowable current: 15A
 Material: PC

Model	Size(mm)			
	Length	Width	Height	Attachment
SG-TB-1502	38	20	14	28
SG-TB-1503	48			38
SG-TB-1504	57			48
SG-TB-1506	77			67
SG-TB-1510	117			107

Fixed Bracket

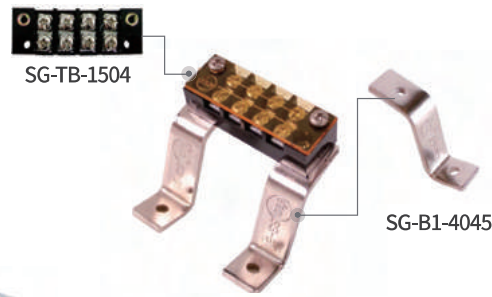
RoHS

Description

It is designed to reduce inconvenience when extracting terminals from the panel plate.

Product Specifications

Tolerance: $\pm 1\text{mm}$
 Color: Silver
 Material: Steel



Size (mm)					
SG-B1-4045	SG-B1-4090	SG-B2-6045	SG-B2-6090	SG-B3-4045	SG-B3-4090

- ※ SG-B3-4045 : Only fixed terminal 100A or higher products are available
- ※ Width : B1, B2 - 17mm / B3 - 22mm / Thickness : 3T

DC Terminal Block

RoHS

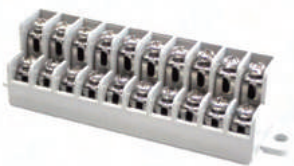


Product Specifications

Tolerance: $\pm 1\text{mm}$
 Color: Gray
 Operating temperature: $-20 \sim 70^\circ\text{C}$
 Rated voltage: AC250V / Allowable current: 10A
 Material: ABS V-0

HC Terminal Block

(Heat-resistant terminal block)

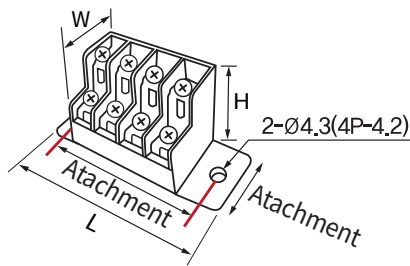


Product Specifications

Tolerance: $\pm 1\text{mm}$
 Color: Ivory
 Operating temperature: $-20 \sim 110^\circ\text{C}$
 Rated voltage: AC250V / Allowable current: 10A
 Material: MPPO

Description

It is used to organize and connect power wires inside the PCB substrate's electrical channels.



Model	Size(mm)					
	Length	Width	Height	Attachment Width	Attachment	Weight(g)
SG DC(HC) 4P	51	22	27	14	42	23
SG-DC(HC)-6P	67		27	14	58	33
SG-DC(HC)-10P	100		27	14	91	53
SG-DC(HC)-15P	150		27	22	138	78
SG-DC(HC)-20P	192		32	22	180	109
SG-DC(HC)-25P	232		31	22	220	134

Din Rail

RoHS

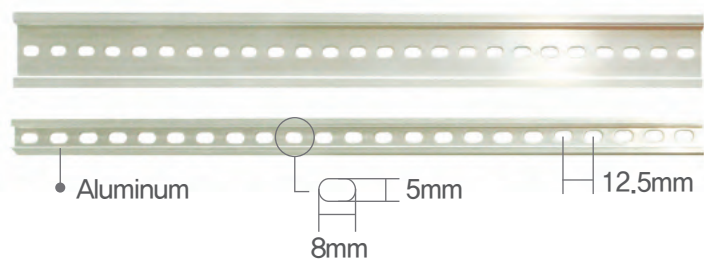
Ordering Information

SG - DR - 35

① ②

① **Product name**
Din Rail

② **Width**
15 : 15mm
35 : 35mm



※ ER-15 / 35 Hole size and spacing are the same

Product Specifications

Tolerance: $\pm 1\text{mm}$
 Color: Silver (anodizing)
 Material: Aluminum

Model	Size (mm)	
	Width	Length
SG-DR-15	15	1000
SG-DR-35	35	1000

Short Bar

Ordering Information

SG - SB **R** - **10** **Y** **15**

① ② ③ ④

- ① **Color**
R : Red, B : Blue, Y : Yellow, K : Black
BN : Brown, GY : Gray
- ② **Number of holes**
2Pin / 10Pin
- ③ **Product type**
Y : Y-shape / R : O-shape
- ④ **Current**
10 : 10A / 15 : 15A

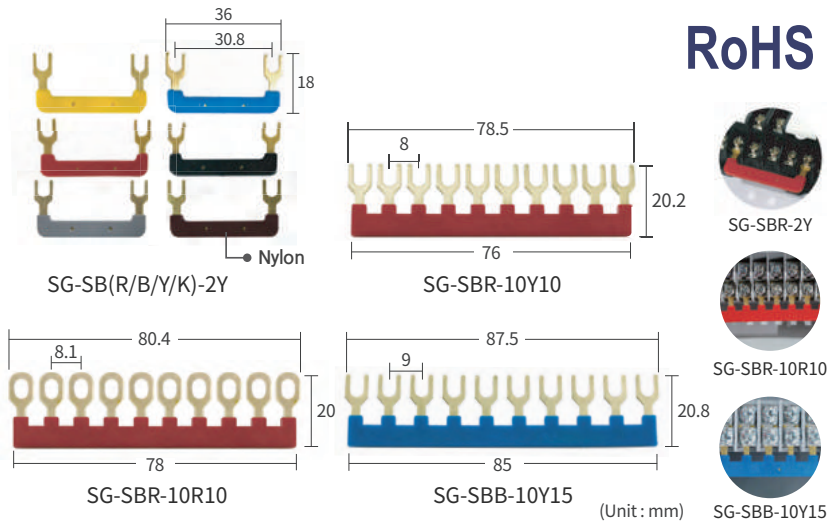
Product Specifications

Tolerance: ±1mm
 Color: Red, Blue, Yellow, Black
 Current: 10A, 15A
 Material: Brass, Nylon coating

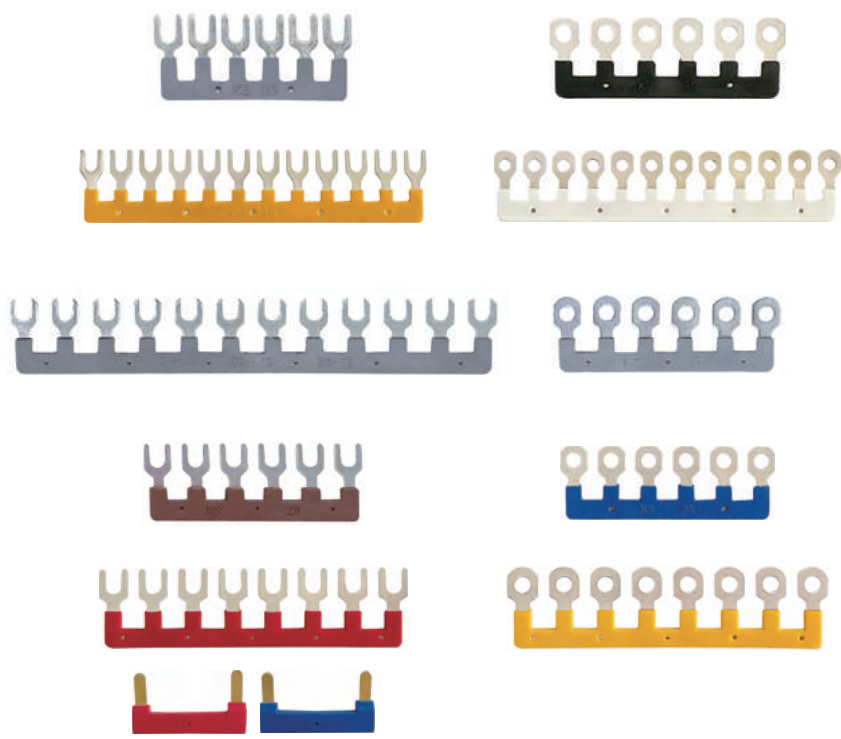
Product Specifications

Color: Yellow, Blue, Red, Brown, Green, Gray, Black, White
 Material: PVC flame-retardant
 - The advantage is that the insulation is not damaged by special injection.

Product name	Model
Assembly type - Short Bar (10A)	KS - 102 Y/R
	KS - 103 Y/R
	KS - 106 Y/R
Assembly type - Short Bar (15A)	KS - 152 Y/R
	KS - 153 Y/R
	KS - 1512 Y/R
Fixed type - Short Bar (20A)	KS - 202 Y/R
	KS - 203 Y/R
	KS - 206 Y/R
	KS - 2012 Y/R
Assembly type - Short Bar (25A)	KS - 252 Y/R
	KS - 253 Y/R
	KS - 256 Y/R
Assembly type - 쇼트바 (35A)	KS - 352 Y/R
	KS - 353 Y/R
	KS - 358 Y/R
20 A ELB Kommonbar	KS - 2P

















Model	Color	Applicable products
SG-SB(R/B/Y/K)-2Y	Red, Blue, Yellow, Black, Brown, Gray	MY-2, MY-4 relay sockets
SG-SBR-10Y10/10R10	Red	For 10A TB - 4P, 4PT, 6P, 6PT, 10PT, 15PT, 20PT, 30P, 40P, 50P AL - 4P, 6P, 10P, 12P, 15P, 20P, 20PT, 30P, 40P, 50P-S, 50P-L
SG-SBB-10R10	Blue	
SG-SBR-10Y15	Red	For 15A TB - 4P15, 6P15, 10P15, 15P15, 20P15
SG-SBB-10Y15	Blue	
SG-SBK-10Y15	Black	





Safety Knife

Model	Size(mm)	Weight(g)	Cutting depth
 SECUMAX 150 NO. 150001	148 x 11 x 37.2mm	24.4	6.2mm 
 SECUMAX 145 NO. 145001	118 x 4 x 35.4mm	12	3.8mm 
 SECUMAX 350 NO. 350001	154 x 12 x 40mm	37	6mm 
 SECUMAX 175 NO. 175001	109.5 x 13.5 x 34mm	31	10mm 
 SECUMAX EASYSAFE NO. 121001	207 x 10 x 66mm	66.3	6.6mm 
 SECUPRO MAXISAFE NO. 101806	148 x 18 x 42mm	65.4	16mm 
 SECUNORM MIZAR NO. 125001	139 x 15.6 x 50.5mm	59	15mm 



Stripping Tools

Economical 4-piece set



Components	Cable Stripper S 4 - 28 Multi	
	Coax-Stripper No. 2	
	Round Cable Stripper No. 13	
	Wire Stripper No. 5	

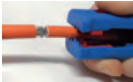
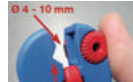



Cable Stripper

Cable Stripper	Ø mm	AWG	Weight (g)	
Cable Stripper No. 4 - 16	4 - 16		84	
Cable Stripper No. 8 - 27	8 - 28		92	
Cable Stripper No. 4 - 28 H (Hooked blade + protective cap)	4 - 28		98	
Cable Stripper No. 28 - 35	28 - 35		87	
Cable Stripper No. 35 - 50	35 - 50		90	
Cable Stripper S 4 - 28	4 - 28		72	
Cable Stripper S 4 - 28 Multi	4 - 28	20 - 10 (0.5 - 16 mm ²)	61	





Dismantling Stripper

Dismantling Tools	Ø mm	AWG	Weight (g)	
Round Cable Stripper No. 13	8 - 13		44	

Multi-purpose Strippers

Multi-purpose Strippers	Ø mm	AWG	Weight (g)	
Stripper No. 30  	4 - 10		60	
Multi-Stripper No. 400   	8 - 13	20 - 10 (0.5 - 16mm ²)	79	

Wire Strippers

Wire Strippers	Round cable	AWG	Weight (g)	
Wire Stripper No. 5  		24 - 10 (0.2 - 6mm ²)	107	
Wire Stripper No. 7 Magic  	flexible	20 - 6 (0.5 - 16mm ²)	217	
	solid	20 - 8 (0.5 - 10mm ²)		

Industrial Plug&Socket































16A

Voltage composition	Plug	Socket			Angled Socket	Straight Socket	Box Socket	
220V 2P+E IP44	 404001	 404010	 404014K	 404005		 404012		
220V 2P+E IP44	 406101V		 406401V		 406501V	 406502V	 406602V	 406678V
220V 2P+E IP67	 406102V		 406402V		 406503V	 406504V	 406603V	 406684V
380V 3P+E IP44	 406103V		 406403V		 406505V	 406506V		 406605V
380V 3P+E IP67	 406104V		 406404V		 406507V	 406508V	 406606V	 406685V
380V 3P+N+E IP44	 406105V		 406405V		 406509V	 406510V		 406607V
380V 3P+N+E IP67	 406106V		 406406V		 406511V	 406512V		 406609V

Industrial Plug&Socket

32A





























Voltage composition	Plug	Socket	Angled Socket	Straight Socket	Box Socket
220V 2P+E IP44	 406107V	 406407V	 406513V	 406514V	 406611V
220V 2P+E IP67	 406108V	 406408V	 406515V	 406516V	
380V 3P+E IP44	 406109V	 406409V	 406517V	 406518V	 406614V
380V 3P+E IP67	 406110V	 406410V	 406519V	 406520V	 406688V
380V 3P+N+E IP44	 406111V	 406411V	 406521V	 406522V	 406616  406683V
380V 3P+N+E IP67	 406112V	 406412V	 406523V	 406524V	 406618V







Industrial Plug&Socket



63A

Voltage composition	Plug	Socket	Angled Socket	Straight Socket	Box Socket
220V 2P+E IP44	 406113	 406413	 406525	 406526	
220V 2P+E IP67	 406114	 406414	 406527	 406528	
380V 3P+E IP44	 406115	 406415	 406529	 406530	 406628
380V 3P+E IP67	 406116	 406416	 406531	 406532	 406622
380V 3P+N+E IP44	 406117	 406417	 406533	 406534	 406623
380V 3P+N+E IP67	 406118	 406418	 406535	 406536	 406624

125A

Voltage composition	Plug	Socket	Angled Socket	Straight Socket	
380V 3P+E IP67	 406119	 406419	 406537	 406538	
380V 3P+N+E IP67	 406120	 406420			

Square Multipolar Connector



Composition	INSERTS		HOODS & HOUSINGS					
	FEMALE	MALE						
3P+E X 10A	 29008	 29009	 29013S	 29014S	 29015S	 29017	 29018S	 29019
4P+E X 10A	 29010	 29011	 29013S	 29014S	 29015S	 29017	 29018S	 29019
6P+E X 16A	 29120	 29121	 29130S	 29131	 29132S	 29133S	 29135	 29140S
6P+E X 35A	 29124	 29125	 29042S	 29043	 29050S	 29155	 29160S	 29056S
10P+E X 16A	 29020	 29021	 29040S	 29041	 29049S	 29145	 29150S	 29055S
16P+E X 16A	 29022	 29023	 29042S	 29043	 29050S	 29155	 29160S	 29056S
24P+E X 16A	 29024	 29025	 29044S	 29045	 29051S	 29165	 29059S	
32P+E X 16A	 29022 - 2ea	 29023 - 2ea	 29060	 29061	 29046S			

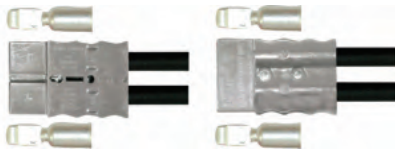
Battery Modular Connectors



10~30 Amp Series



75 Amp Series



50~350 Amp Series [2P]

AMP Series	Housings	Contacts	Current Rating
10 ~ 30 Amp Series	BMC 1S	BMC 1AG	15
		BMC 2AG	30
		BMC 5AG	50
75 Amp Series	BMC 1M	BMC 8AG	60
		BMC 14AG	75

※ Rated voltage 600V

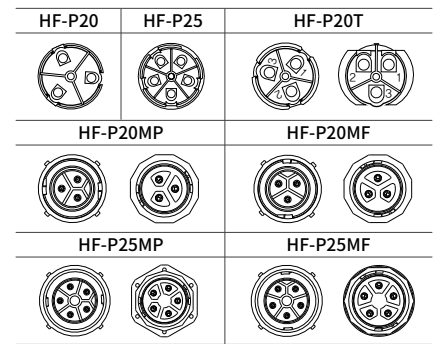
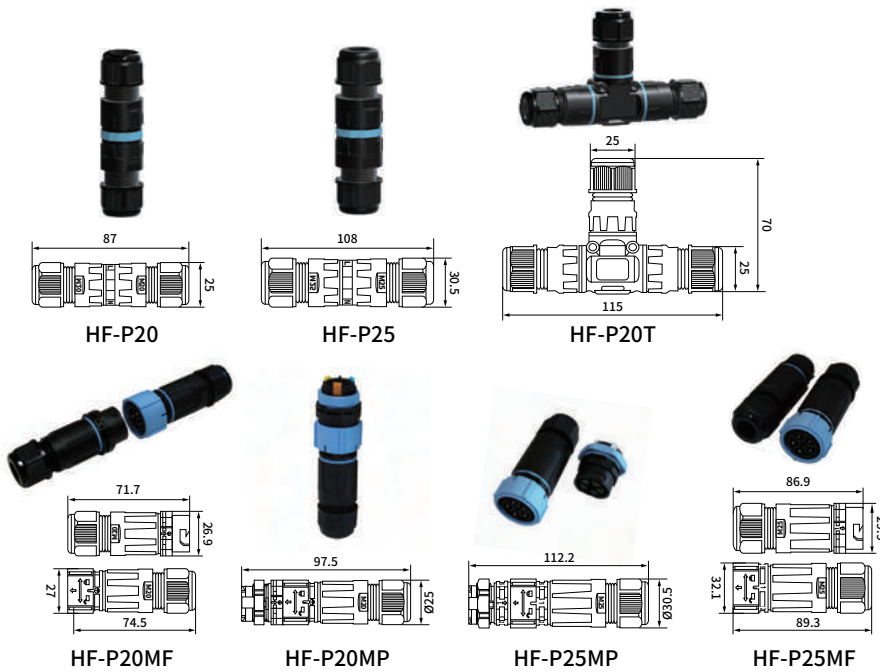
AMP Series	Housings	Contacts	Current Rating
50 Amp Series	BMC 2S	BMC 5AG	35
		BMC 8AG	45
		BMC 14AG	50
120 Amp Series	BMC 2MS	BMC MS14AG	80
		BMC MS22AG	100
		BMC MS38AG	120
175 Amp Series	BMC 2M	BMC 22AG	125
		BMC 38AG	150
		BMC 60AG	175
350 Amp Series	BMC 2L	BMC 150AG	350

Waterproof Connector



Product Specifications

Materials : housing [nylon PA66/PA6 V-0]
 terminal [Bronze alloy (Bronze + Silver)]
 Voltage : 450V
 Current : 24A
 IP Rating : IP68
 Operating Temperature : -40°C ~ 105°C



Sectional View

Model	Pin	Voltage	Current	Wire Size	External Cable
HF-P20	2/3pin	450V	24A	0.5 - 1.5mm ³	5~9mm
HF-P20T					
HF-P20MF					
HF-P20MP					
HF-P25MF	4/5pin	450V	24A	0.5 - 2.5mm ³	5~9mm, 9~12mm, 10~14mm
HF-P25					
HF-P25MP					

Quick Wire Connector



LT22
Bracket



[Compatible model]
LT-12,LT-223-5,LT-223-10
LT-223-12,LT-633-3C,LT-933

Product Specifications

Voltage Resistance : 4kV
Operating Temperature : ~40 ~ 105°C
Tolerance : ±1mm

32A

Rated Voltage	One-way connector					
	Model		Size(L X W X H)	Model		Size(L X W X H)
250V	PCT-212		21.2 x 12.5 x 14.5mm	PCT-215		21.2 x 26.4 x 14.5mm
	PCT-213		21.2 x 17 x 14.5mm	PCT-218		21.2 x 40.2 x 14.5mm
	PCT-214		21.2 x 21.7 x 14.5mm			

Rated Voltage	Two-way connector					
	Model		Size(L X W X H)	Model		Size(L X W X H)
250V	LT-211		39.3 x 8.5 x 14.7mm	PCT-222		39.3 x 13 x 14.6mm
	LT-223-5		39.3 x 28.3 x 15.6mm	PCT-223		39.3 x 18.5 x 14.6mm
	LT-223-12		39.3 x 63.3 x 15.6mm	PCT-224		39.3 x 23.1 x 14.6mm
	LT-223-10		39.3 x 53.1 x 15.6mm	PCT-225		39.3 x 28.1 x 14.6mm
	PCT-222-2C		39.3 x 13 x 14.6mm	PCT-224-4C		39 x 23.1x 14.6mm
	PCT-222-3C		39.3 x 18.5 x 14.6mm			

Rated Voltage	Extendable connector					
	Model		Size(L X W X H)	Model		Size(L X W X H)
250V	LT-12		39 x 23.1 x 14.6mm	LT-633-3C		39 x 33.2 x 15.4mm
	LT-422-2C		39 x 23.2 x 14.5mm	LT-933		39.3 x 48.3 x 14.4mm
	LT-623-2C		39 x 33.2 x 14.5mm			

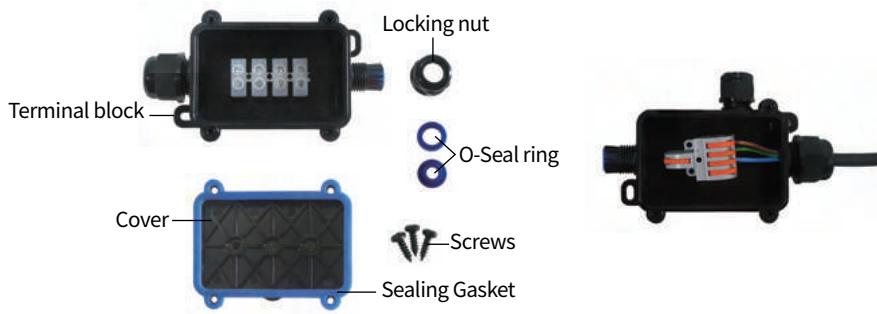
Rated Voltage	Mountable connector					
	Model		Size(L X W X H)	Model		Size(L X W X H)
250V	LT-223-5R		39.3 x 40.4 x 14.7mm	LT-223-12R		39.3 x 75 x 14.7mm
	LT-223-10R		39.3 x 65.2 x 14.7mm			

35A

Rated Voltage	Extendable connector					
	Model		Size(L X W X H)	Model		Size(L X W X H)
450V	LT-624		40 x 27.6 x 11mm			

Waterproof Connector Box

RoHS CE



Product Specifications

Color : Black
 Material of shell: Polyamide Pa66
 Waterproof O-Ring [Silicone],
 Self-tapping screws: #45 steel
 Protection Rating : IP68
 Operating Temperature : -40 ~ 85°C
 Tolerance : ±1mm

*Wire Diameter : 3-6.5mm / 4-8mm / 7-12mm

MODEL	Direction	Product Type	Internal Dimensions (L X W X D)	Internal Dimensions (A X B X C)
CNP723-2T	1 in 1 out		73 x 46 x 34mm	133 x 66 x 41.3mm
CNP723-3T	1 in 2 out		73 x 46 x 34mm	133 x 81 x 41.3mm
CNP723-4T-A	1 in 3 out		73 x 46 x 34mm	133 x 81 x 41.3mm
CNP723-4T-B	2 in 2 out		73 x 46 x 34mm	109 x 96 x 41.3mm
CNP723-5T	1 in 4 out		73 x 46 x 34mm	117 x 96 x 41.3mm
CNP723-6T	2 in 4 out		73 x 46 x 34mm	133 x 96 x 41.3mm
CNP725-2T	1 in 1 out		78 x 63 x 34mm	138 x 83 x 41.3mm
CNP725-3T	1 in 2 out		78 x 63 x 34mm	138 x 98 x 41.3mm
CNP725-4T-A	1 in 3 out		78 x 63 x 34mm	138 x 98 x 41.3mm
CNP725-4T-B	2 in 2 out		78 x 63 x 34mm	103 x 111 x 41.3mm
CNP725-5T	1 in 4 out		78 x 63 x 34mm	122 x 111 x 41.3mm
CNP725-6T	2 in 4 out		78 x 63 x 34mm	138 x 111 x 41.3mm



- ※ Products listed in this catalog are subject to change without prior notice to improve quality.
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- ※ Please check it when installing or using it.

SEGIBIZ CO., LTD

ELECTRIC TECHNOLOGY

SEGIBIZ

Headquarters : 32, Saebyeoksijang-ro, Sasang-gu, Busan, Republic of Korea

Factory : 1F, 28 Saebyeoksijang-ro 9beon-gil, Sasang-gu, Busan

Tel : +82 51 322 7220

Fax : +82 51 326 7223

Dir : +82 70 8765 3043

E-mail : jointbox@jointbox.com

www.segibiz.co.kr



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